

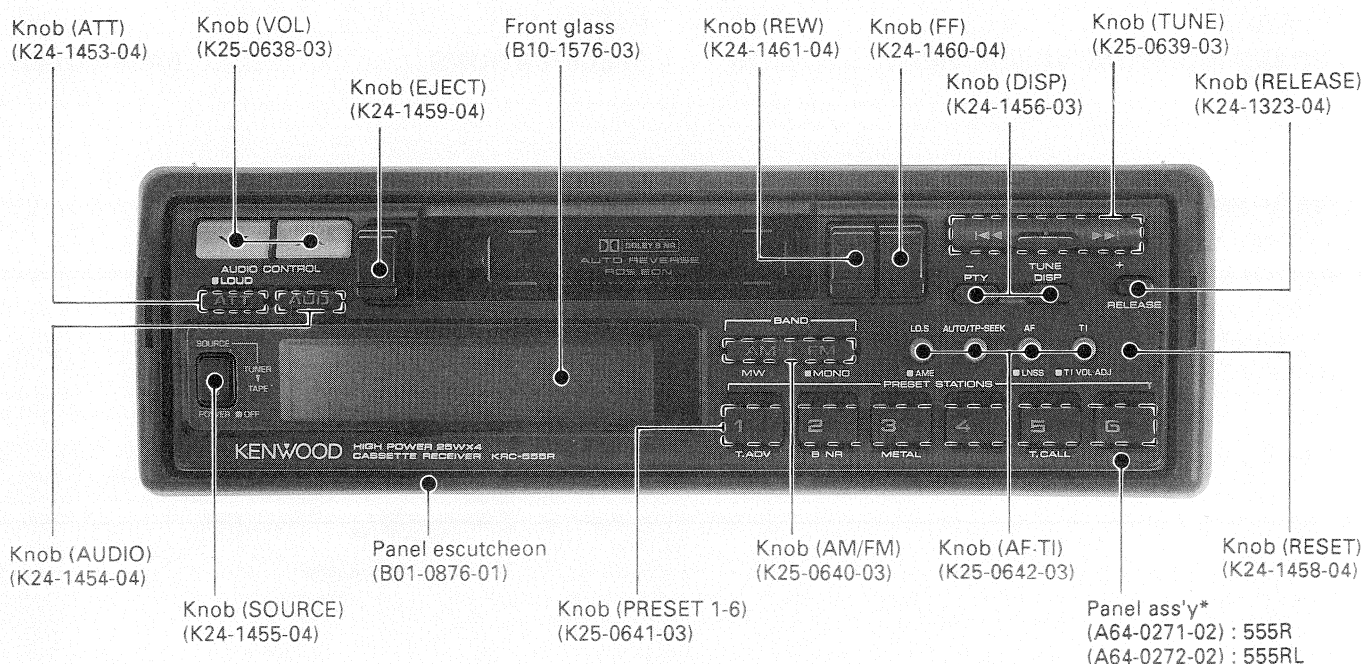
CASSETTE RECEIVER

KRC-555R/RL

SERVICE MANUAL

KENWOOD

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B51-6698-00(N)2260



Mounting hardware (CASE) (J21-7473-01)

Lever (D10-2834-04)

Sems (MACHINE SCREW) (N09-1885-05)

Stay (J54-0071-04)

Cord with plug (ANT) (E30-4126-05)

DC cord (E30-4135-05)

*Refer to parts list on page 40.
Photo is KRC-555R.

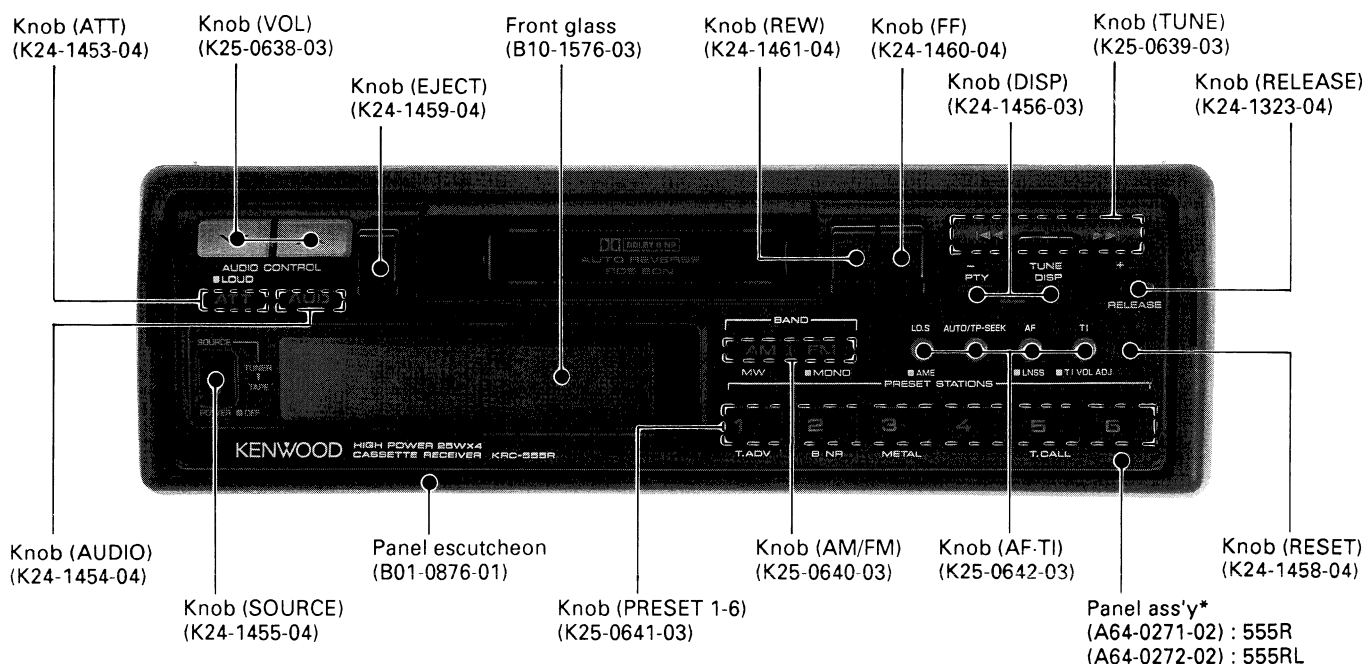
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***Refer to parts list on page 40.**

Photo is KRC-555R.

KRC-555R/RL

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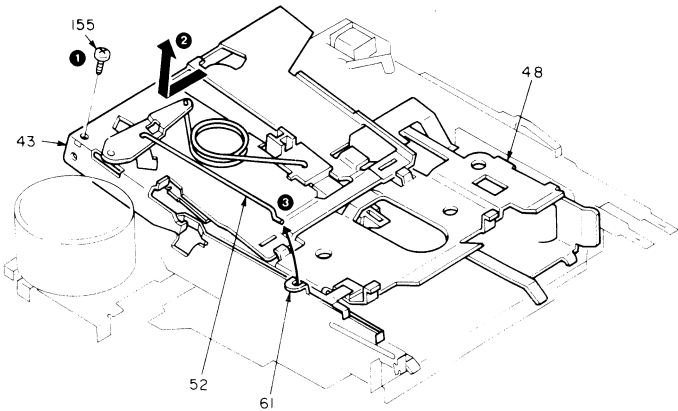
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DISASSEMBLY FOR REPAIR (MECHANISM)

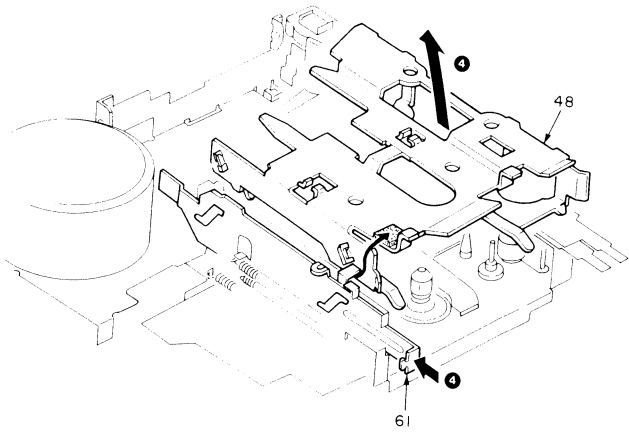
REMOVAL NO1.

1. Remove screw (155) (❶).
2. Rotate the lifter (43) to the left and lift it up to remove (❷).
3. Remove the rod (52) from the eject lever (61) (❸).



REMOVAL NO2.

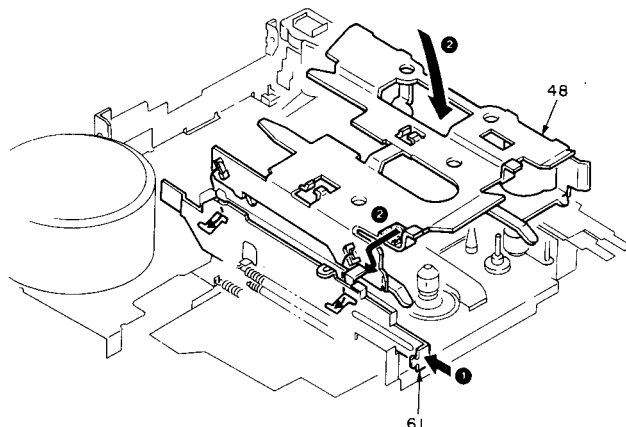
4. While pressing-in on the eject lever (61), remove the holder(48) (❹).



DISASSEMBLY FOR REPAIR (MECHANISM)

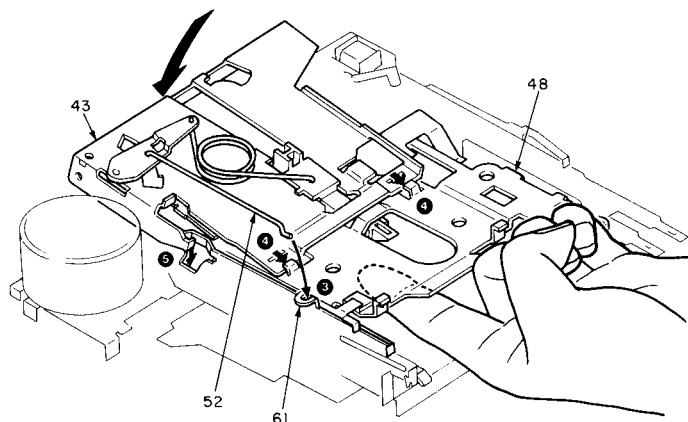
SET UP NO1.

1. While pressing-in on the eject lever (61) , attach the holder (48) (**1**).
2. Insert the holder's (48) projecting tab into push plate's groove (**2**).



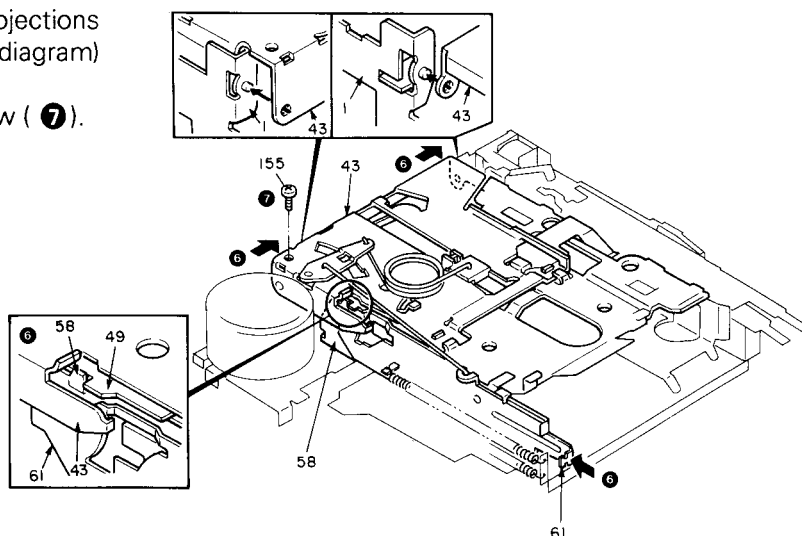
SET UP NO2.

3. Insert the rod (52) into the hole in the eject lever (61) (**3**).
4. While lifting up the holder (48) , engage the lifter (43) (**4**).
5. Move the lifter (43) down so that it aligns with the eject lever's (61) cut out (**5**) section.



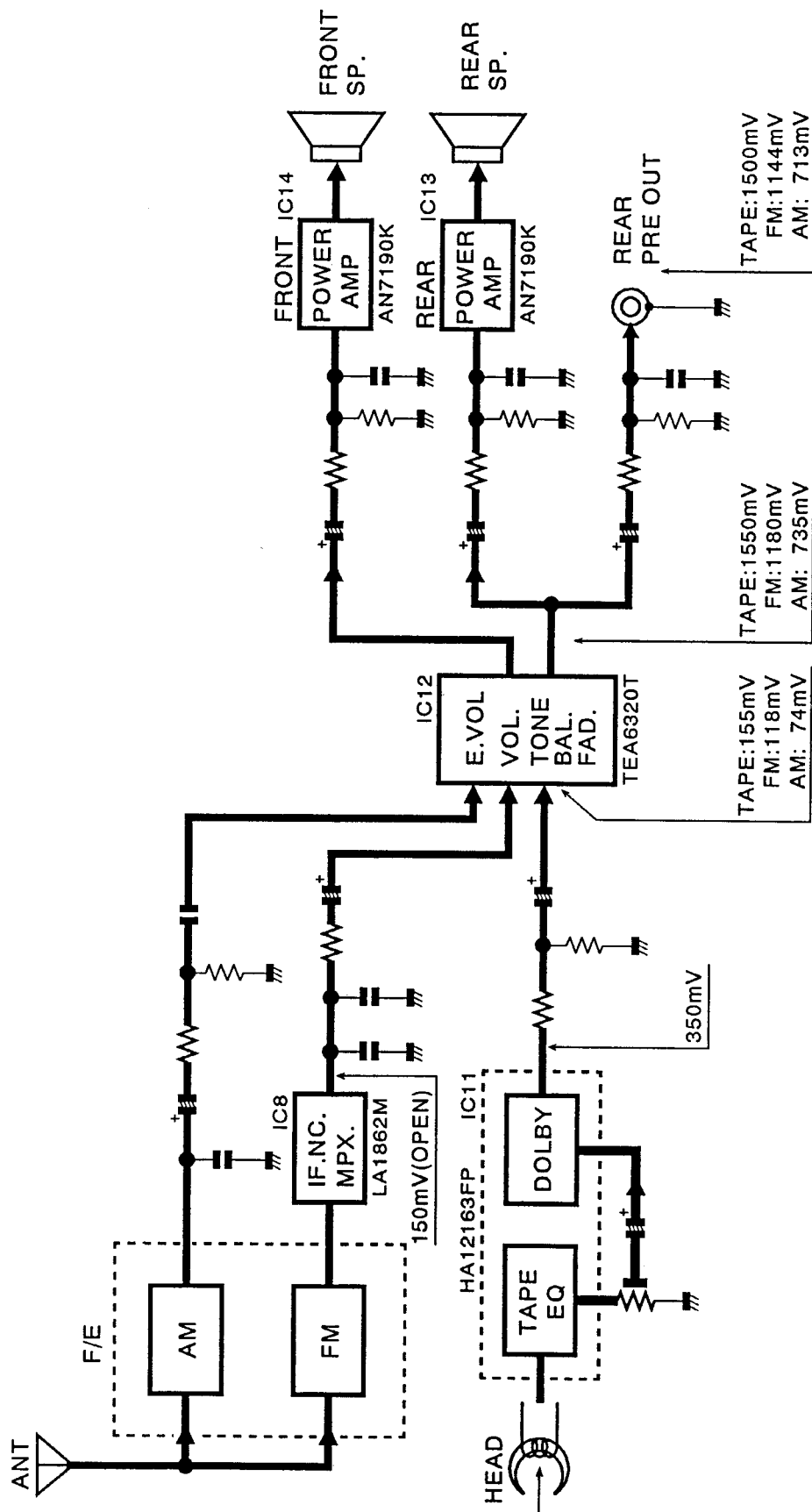
SET UP NO3.

6. Align the lifter (43) with the chassis (1) projections and move it to the right to engage (see diagram) (**6**).
7. Secure the assembly by attaching the screw (**7**).



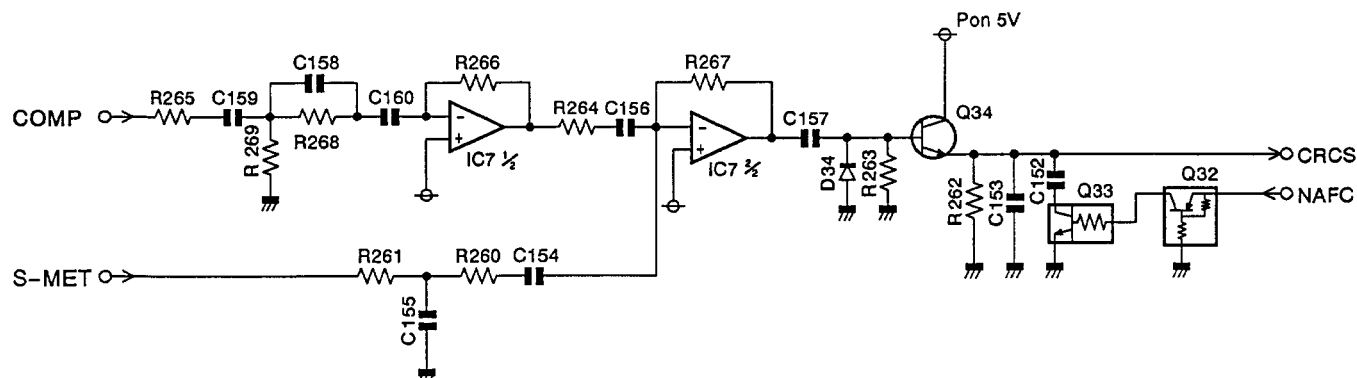
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BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Noise Detector Circuit



To achieve proper AF search while the RDS is in use, it is required to detect noise in the station being receiver and in search destinations. This circuit detects a noise quantity which is proportional to the noise felt by human audition so that a station with small noise, which cannot be identified simply from the S-meter level, can be searched.

The signals used for noise detection are the composite signal and S-meter signal. The S-meter is used because it helps detect relatively low noise components. The composite signal is supplied through a HPF to extract only the high-frequency noise component.

In the circuit diagram above, the part from the COMP input to the circuit using IC7 corresponds to the HPF. The S-meter signal is not supplied to HPF because a lower frequency component than the composite signal is to be used, and sent to IC7 (2/2) to be mixed with the high-frequency component of the composite signal.

The mixed signal turns Q34 ON/OFF and this data is sent to the μ -com. NAFC is the signal for switching the time constant of the output from Q34, and it is "L" during search (seek) and "H" during normal reception.

During normal reception, Q33 is turned ON to make C153 and C152 parallel so that the time constant is larger and search will not start with slight noise.

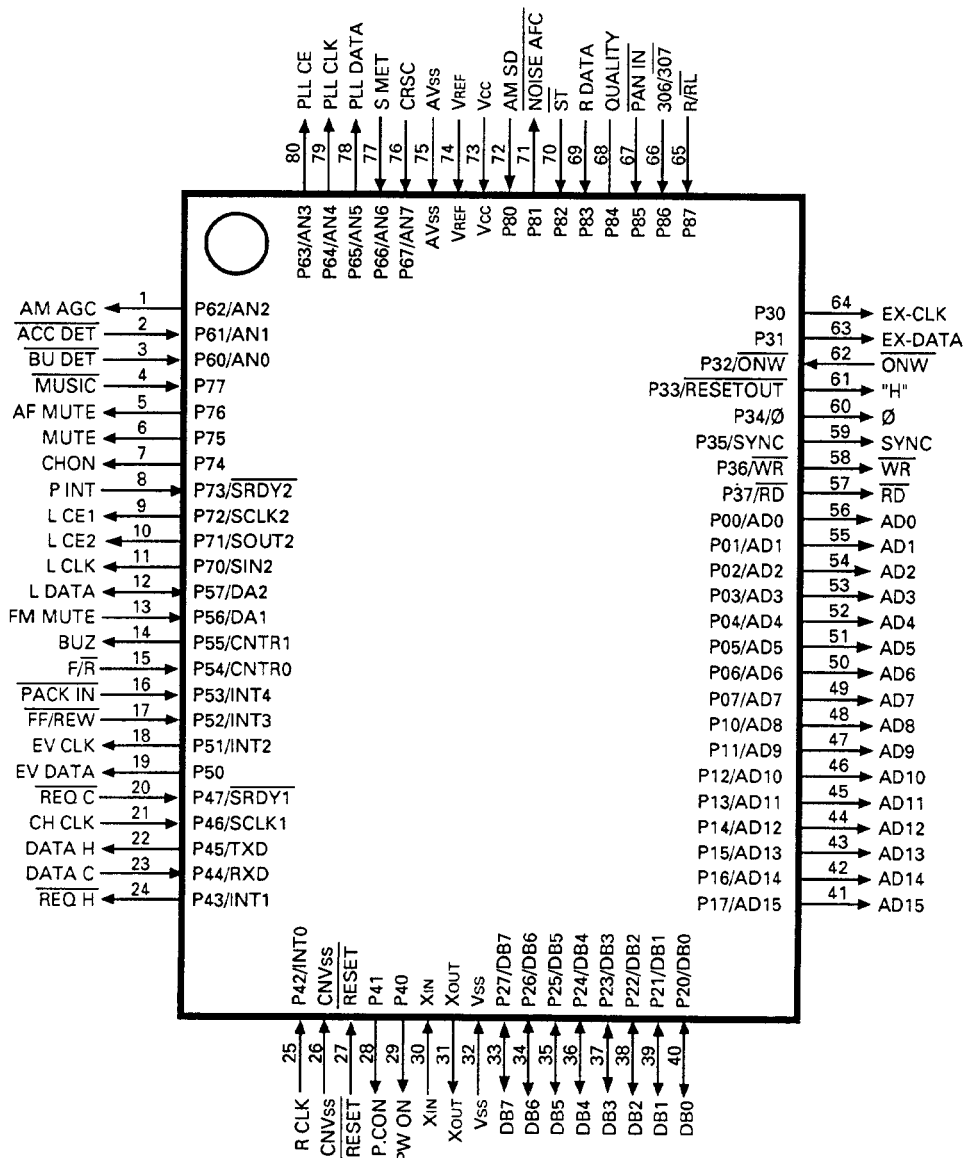
During search, the time constant is smaller because only C153 is active, so that the response to noise is made quicker to make high-speed search possible.

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CIRCUIT DESCRIPTION

IC1 : M38067M8D123FP (X14-)

• Pin connection



• Pin function

No.	Port name	I/O	Signal name	Function	Active status
1	P62/AN2	O	AM AGC	AM AGC	AM SEEK
2	P61/AN1	I	ACC DET	ACC power supply	ACC OFF
3	P60/AN0	I	BU DET	Back-up power supply	Back-up OFF
4	P77	I	MUSIC	Music signal (Used for detection of blank between tunes)	Music detected
5	P76	O	AF MUTE	Muting (Used in AF search)	
6	P75	O	MUTE	Muting	
7	P74	O	CHON	CD-CH ON	
8	P73/SRDY2	I	P INT	LCD driver MSM6606 end of A key scan cycle	
9	P72/SCLK2	O	L CE1	LCD driver MSM6606 Latch	
10	P71/SOUT2	O	L CE2	LCD driver MSM6544 Latch	

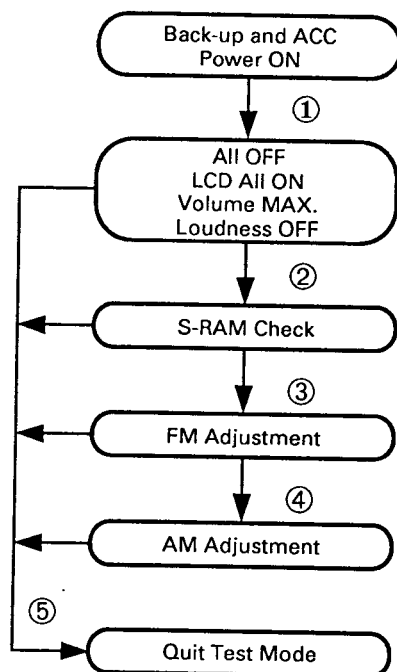
CIRCUIT DESCRIPTION

No.	Port name	I/O	Signal name	Function	Active status
11	P70/SIN2	O	L CLK	LCD driver Clock	
12	P57/DA2	I/O	L DATA	LCD driver Data	
13	P56/DA1	I	FM MUTE	FM band muting	FM station detected
14	P55/CNTR1	O	BUZ	Buzzer	
15	P54/CNTR0	I	F/R	Tape direction Forward/Reverse	H=Forward
16	P53/INT4	I	PACK IN	Tape pack in	Pack in
17	P52/INT3	I	FF/REW	Tape fast winding (FF/REW)	FF/REW
18	P51/INT2	O	EV CLK	Electronic Volume TEA6320 Clock	
19	P50	O	EV DATA	Electronic Volume TEA6320 Data	
20	P47/SRDY1	I	REQ C	CD-CH Request CD-CH	
21	P46/SCLK1	I	CH CLK	CD-CH CLOCK	
22	P45/TXD	O	DATA H	CD-CH Data Head unit	
23	P44/RXD	I	DATA C	CD-CH Data CD-CH	
24	P43/INT1	O	REQ H	CD-CH Request Head unit	
25	P42/INT0	I	R CLK	RDS Clock	
26	CNVss	I	CNVss	μ-com chip operation control mode switching	CNVss=GND
27	RESET	I	RESET	Hardware Reset	Active "L"
28	P41	O	P.CON	Power control	
29	P40	O	PW ON	Power ON +5V	
30	XIN	I	XIN	Clock input	
31	XOUT	O	XOUT	Clock output	
32	Vss	I	Vss	Power supply input	Vss=GND
33~40	P27/DB7~P20/DB0	I/O	DB7~DB0	S-RAM Data Bus 7~0	
41~48	P17/AD15~P10/AD8	O	AD15~AD8	S-RAM Address 15~8	
49~56	P07/AD7~P00/AD0	O	AD7~AD0	S-RAM Address 7~0	
57	P37/RD	O	R \overline{D}	S-RAM Read control	
58	P36/WR	O	W \overline{R}	S-RAM Write control	
59	P35/SYNC	O	SYNC	Outputs "H" for 1 period of ϕ during op-code fetching. (Not used)	
60	P34/ ϕ	O	ϕ	Internal system clock ϕ output. (Not used)	
61	P33/RESETOUT	O	"H"	Permanently outputs "H". (Not used)	
62	P32/ONW	I	ONW	Delays internal system clock ϕ by half. (Not used)	
63	P31	O	EX DATA	Serial parallel Extension port IC Data	
64	P30	O	EX CLK	Serial parallel Extension port IC Clock	
65, 66	P87, P86	I	R/RL, 306/307	Destination setting (Read only during reset-start).	L=RL, L=307
67	P85	I	PAN IN	Panel Attached/Detached	Panel attached
68	P84	I	QUALITY	RDS Quality	
69	P83	I	R DATA	RDS Data	
70	P82	I	S \overline{T}	FM Stereo/Mono	Stereo
71	P81	O	NOISE AFC	RDS Noise AFC	
72	P80	I	AM SD	AM SD	AM station detected
73	Vcc	I	Vcc	Power supply input	Vcc=+5V
74	VREF	I	VREF	Reference power for A/D converter. Analog Max. voltage.	VREF=+5V
75	AVss	I	AVss	Analog power input for A/D converter. Analog Min. voltage.	AVss=GND
76	P67/AN7	I	CRSC	FM noise (Used by A/D)	
77	P66/AN6	I	S MET	FM S-meter (Used by A/D)	
78	P65/AN5	O	PLL DATA	PLL LM7001M Data	
79	P64/AN4	O	PLL CLK	PLL LM7001M Clock	
80	P63/AN3	O	PLL CE	PLL LM7001M Chip Enable	

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CIRCUIT DESCRIPTION

Flow of Operation in Test Mode



- All LCD segment dots are turned ON.
This common to LCD so even the dots which are not used with the model light.
Volume is set to MAX (00dB), Loudness is set to OFF.
- Connection between μ -com and external RAM (S-RAM) is checked.
For the description of display, refer to [S-RAM Check Mode].
- Reception of FM band initial frequency (98.1MHz).
For the description of adjustment and display, refer to [FM Adjustment Mode].
- Reception of AM band initial frequency (MW 999kHz).
For the description of adjustment and display, refer to [AM Adjustment Mode].
- Test mode operation are quit.
However, setups of Volume, Loudness and other conditions set during test mode are retained.

Test Mode Procedure

- ① Without a cassette tape loaded in the deck, reset-start the unit from the all-OFF state, by switching the power ON while holding the [FM] key + [KK] key depressed. This starts the unit in the test mode.
- ② Press the [AUTO] key while all LCD dots are lit to enter the S-RAM check mode.
- ③ Press the [SOURCE] key to start tuner reception in the FM band.

④ Press the [AM] key to select the AM band.

⑤ Switch the power OFF, switch ACC OFF and detach the panel. This quits the test mode. In this case, the setups of Volume, Loudness and other conditions set during the test mode are retained in memory just like status transitions in normal operation mode.

Note : In the test mode, the keys are valid in accordance with the status transition definitions.

List of test mode operation with each source

	ALL OFF	Tuner	Tape	CD-CH
Test mode operations with each source	LCD all ON, S-RAM check	*FM source Audio adjustment S-meter adjustment SD check *AM source Audio adjustment AM SD adjustment SD check	Audio adjustment	Audio adjustment
Test mode operation keys	[AUTO]	[AUDIO] ∨ [AUDIO] ∧ [AM]	[AUDIO] ∨ [AUDIO] ∧	[AUDIO] ∨ [AUDIO] ∧

***Note** : The volume and loudness have been set as shown below before entering the test mode.
Volume : MAX (00dB), Loudness : OFF

CIRCUIT DESCRIPTION

FM Adjustment Mode

In the FM adjustment, set the antenna input to 20dB μ (no modulation) then adjust the semi-fixed resistor for the FM S-meter until the $\triangleleft\triangleright$ tape direction indicators light and PAUSE dot indicator lights.

FM S-meter level adjustment

Tape Direction	FM S-meter adjustment
$\triangleleft\triangleright$	OK (19dB μ ~ 21dB μ)
\triangleleft	NG (Level < 19dB μ)
\triangleright	NG (Level > 21dB μ)

FM band muting check

(FM station detected/not check)

PAUSE dot indicator	FM band muting
ON	OK (FM station detected)
OFF	NG (FM station not detected)

AM Adjustment Mode

While the AM source is selected, the AGC CUT output remains ON while the $\overline{\text{AM}}$ key is held depressed. Therefore, with this condition, set the antenna input to 35dB μ (no modulation), then adjust the semi-fixed resistor for AM SD until the $\triangleleft\triangleright$ tape direction indicators light.

AM SD check (AM station detection check)

Tape Direction	AM SD check
$\triangleleft\triangleright$	OK (AM station detected)
\triangleleft	NG (AM station not detected)

AM AGC output status

REP dot indicator	AM AGC output status
ON	ON (= Logic "H")
OFF	OFF (= Logic "L")

Audio adjustment

In the test mode, the Bass, Treble, Balance and Fader controls can be adjusted by operating the \wedge and \vee audio adjustment keys as shown below.

Adjustment target values of each audio control item

Audio control item	Initial value	Audio adjustment keys \wedge , \vee		
Bass	Center 00	-08 (Min.)	Center 00	+08 (Max.)
Treble	Center 00	-08 (Min.)	Center 00	+08 (Max.)
Balance	Center 00	Lch emphasis (Rch Mute)	Center 00	Rch emphasis (Lch Mute)
Fader	Center 00	Rear emphasis (Front Mute)	Center 00	Front emphasis (Rear Mute)

S-RAM Check Mode

If other message than "S-RAM : OK" is displayed after the completion of the S-RAM check mode, there is a fault in a connection line in the address or data bus ports between the μ -com and S-RAM.

Message displayed after S-RAM check mode

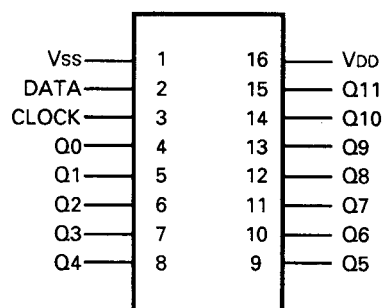
Displayed message	Description
S-RAM : OK	Connection lines between μ -com and S-RAM are normal.
S-RAM : NG	Connection line fault (specially in $\overline{\text{WR}}$, $\overline{\text{RD}}$, AD13, AD14 or AD15).
S-RAM : ADXX	Address port connection line fault. (ON or near display port)
S-RAM : DBXX	Data bus port connection line fault. (ON or near display port)

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CIRCUIT DESCRIPTION

IC3 : BU2090F (X14-)

• Pin connection

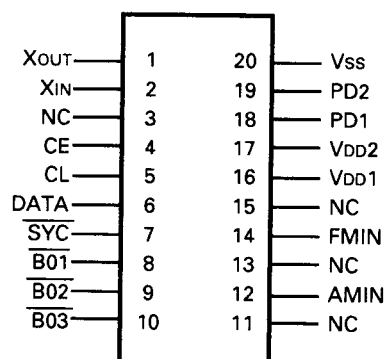


• Pin function

No.	Port name	Pin function	Function description	Logic L	Logic H
4	Q0	$\overline{T/R}$	Tape or other source select	Tape	Other source
5	Q1	MTL	Metal tape select	Normal	Metal
6	Q2	DOLBY	Dolby NR	NR OFF	NR ON
7	Q3	MW/LW	AM BS control	MW	LW
8	Q4	MONO	Forced Mono	Normal reception	Forced Mono
9	Q5	LINH	Display	Display ON	Display OFF
10	Q6	ILL GR	Illmi green	Green ON	Green OFF
11	Q7	ILL AM	Illmi Amber	Amber ON	Amber OFF
12	Q8	DSI	DSI	DSI ON	DSI OFF
13	Q9	FM/AM	FM/AM circuit power	AM	FM
14	Q10	$\overline{T ADV}$	Tape Advance plunger control	ON	OFF
15	Q11	MOTOR	Tape main Motor+B	ON	OFF

IC9 : LM7001M (X14-)

• Pin connection



• Pin function

No.	Port name	Pin function	Function description	Logic L	Logic H
8	B01	LOCAL	Local control	Local ON	Local OFF
9	B02	AFC	FM SEEK (Seek continues until PI code is established)	FM being received	During FM seek
10	B03		Not used. Outputs "H" permanently.		

CIRCUIT DESCRIPTION

IC1 : MSM6606GS-VK (X25-)

• Key matrix

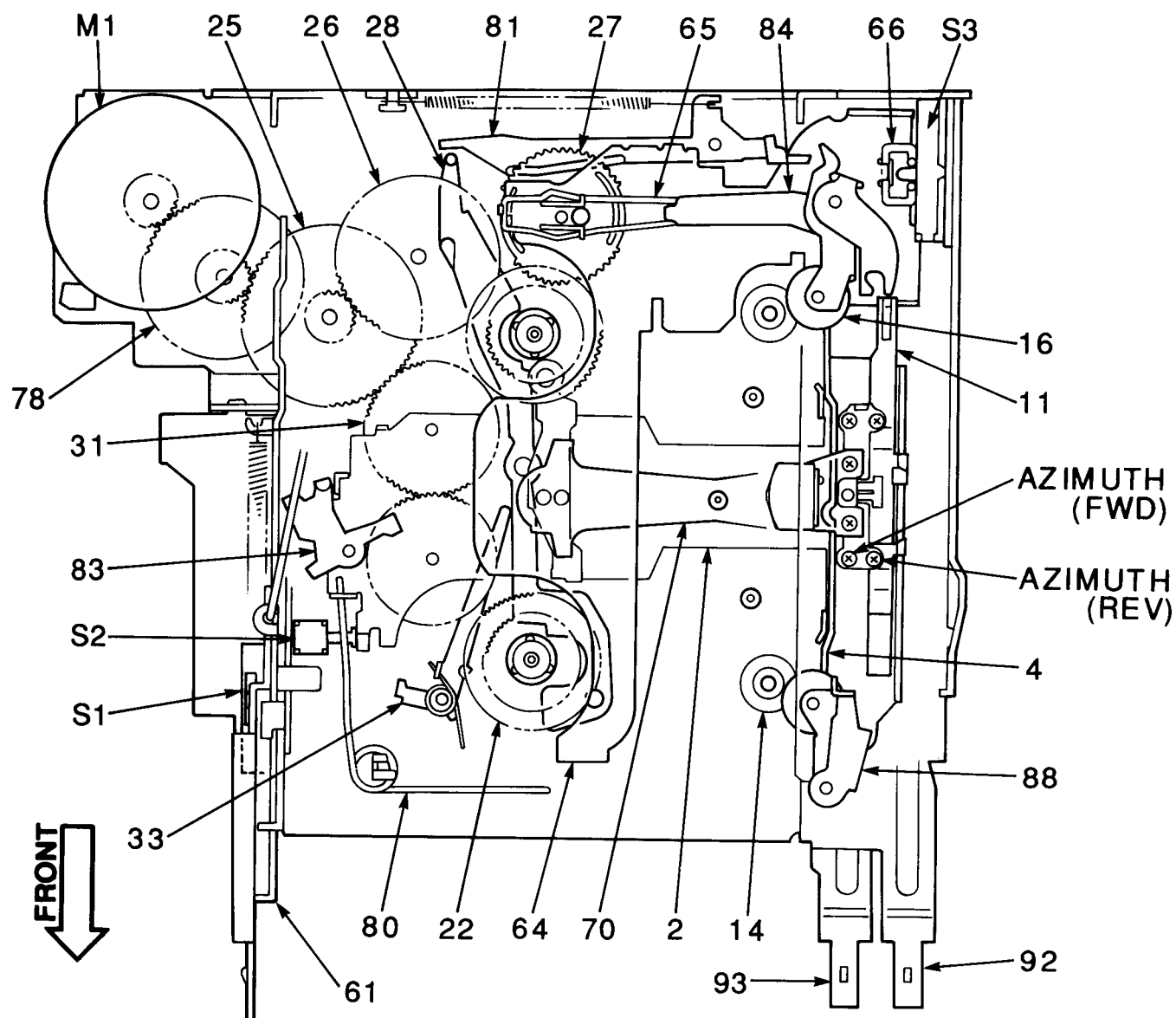
Return \ Scan	R0	R1	R2	R3	R4
C0	AUDIO UP		FM	①	
C1	AUDIO DOWN	SOURCE	PTY	②	
C2	TUNE UP		DISP	③	
C3	TUNE DOWN	AUTO		④	
C4	RDS	AM	TI	⑤	
C5	AUDIO	ATT	LO.S	⑥	

• Pin layout

Pin No.	41	42	43	44	45	46	47	48	49	50	51
Pin name	C0	C1	C2	C3	C4	C5	R0	R1	R2	R3	R4

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MECHANISM OPERATION DESCRIPTION



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MECHANISM OPERATION DESCRIPTION

LOADING

1. Insert a cassette tape (❶).

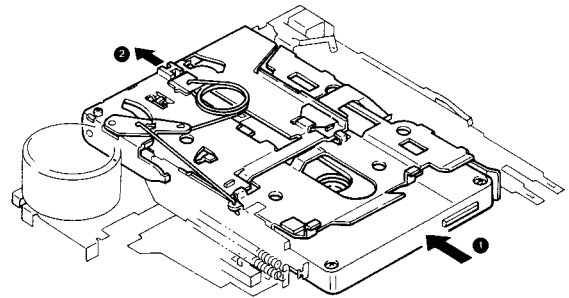


Fig. 1

2. The pack slider (50) presses the lever (49) (❷).
3. The lever (49) rotates and the push plate (58) lock releases. The push plate is pulled by spring (59) and moves forward (❸).

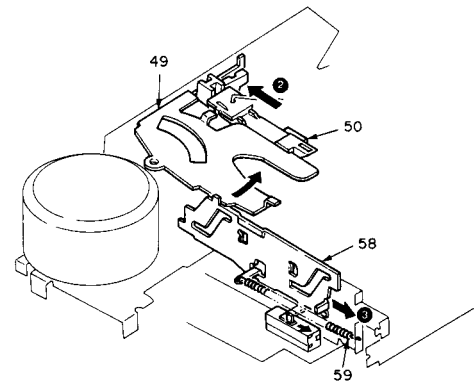


Fig. 2

4. The holder (48) lowers following the groove in the push plate (58) (❹).
5. The slide switch (S1) is pressed by the push plate (58) and turns ON. When S1 turns ON, current is supplied to the motor (M1) (❺).

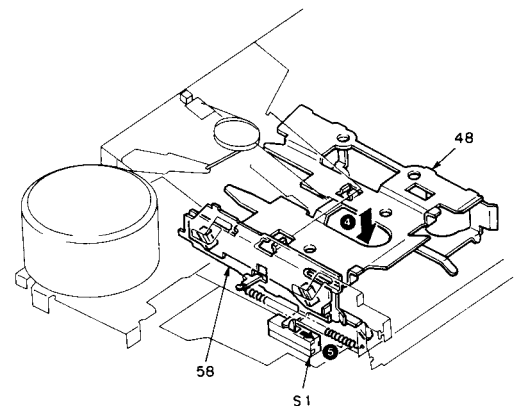


Fig. 3

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MECHANISM OPERATION DESCRIPTION

6. The push arm (83) is pressed by the push plate (58) and rotates. The push arm (83) releases the head plate (2) lock (6).
7. The head plate (2) is pulled forward by the spring (80) (7).

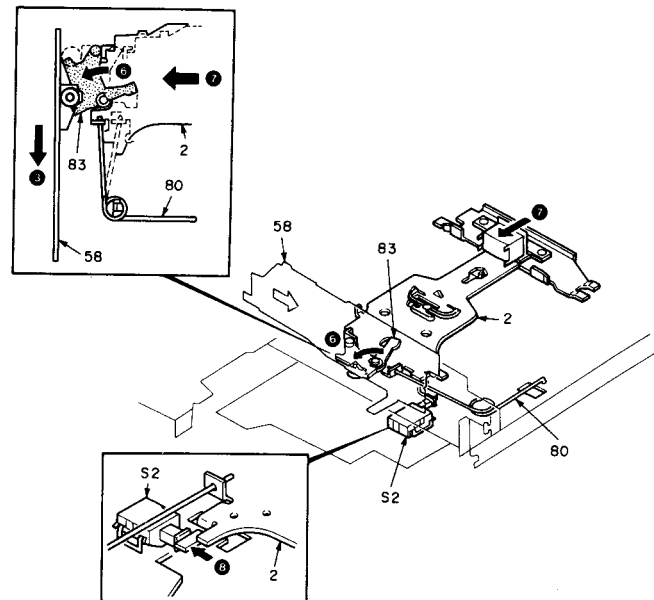


Fig. 4

8. The forward movement of the head plate (2) causes the push switch (S2) to turn ON (8).
9. Through the forward movement of the head plate (2), the PR spring (4) causes the pinch roller assembly (16, 17) to press against the capstan assembly (74) (9).

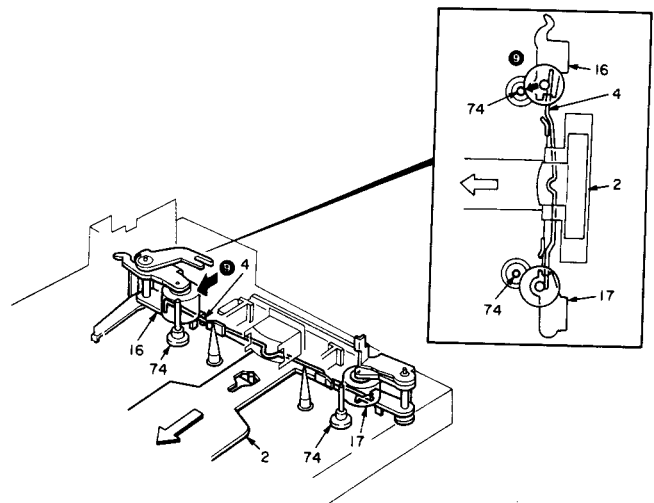


Fig. 5

10. The rotation of the motor is transmitted through various gears (78 → 25 → 31 → 6 →) to drive the winding side reel disk assembly (22) (10).
11. The sending side reel disk assembly (22) is not driven by the motor rotation because it is separated from the play gear (6) (11).

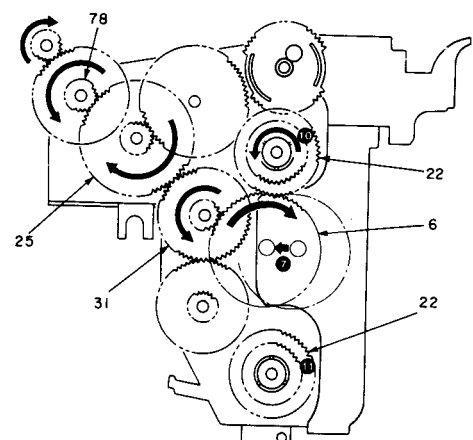


Fig. 6

MECHANISM OPERATION DESCRIPTION

PROGRAM (Manual Program Change)

1. When pressing FF/REW (92 and 93) levers at the same time (❶), the levers are placed into a slot on the PC (Play Change) plate (94) in direction of arrow (❷) in Fig.7.
2. The PC plate (94) moves in the direction of arrow (❸), trigger arm (81) is kicked in the direction of arrows (❹) and (❺), thereby releasing the turn-over gear (27).
3. The turn-over gear (27) is rotated in the direction of arrow (❻) by ED (End Detector) gear (26), which moves main plate (64).

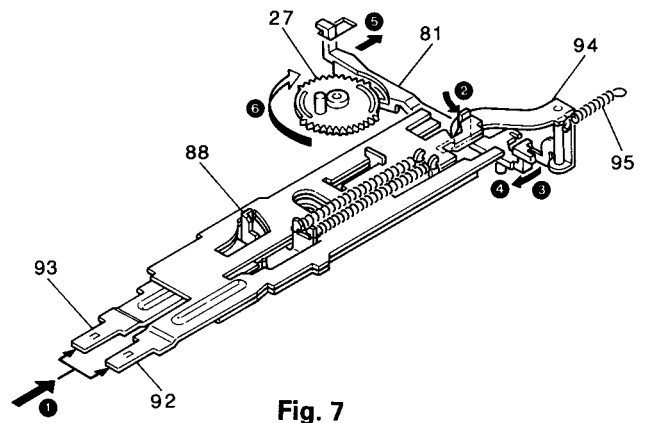


Fig. 7

4. The main plate (64) slides in direction of arrow (❷) in Fig.8 causing the following part movements;
 - a) Head switch (10) movement is changed per arrow (❸).
 - b) Force transferred from pinch roller spring (4) changes the relation of pinch roller and capstan to each other, per arrow (❹).
 - c) Seesaw plate (20) is moved by the main plate and seesaw plate spring (65), and moves seesaw working plate (84). All FF/REW operation is performed by this seesaw plate movement. See arrow (❺).

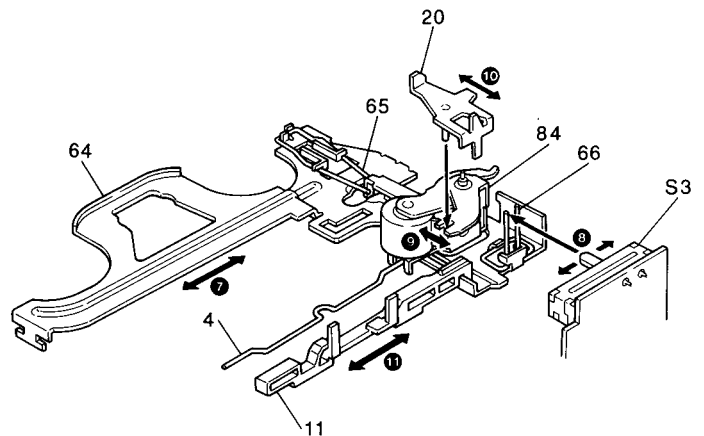


Fig. 8

- d) The shift plate (11) is moved in direction of arrow (❶), and head moves up and down per arrows (❷ , ❸ and ❹) in Fig.9.

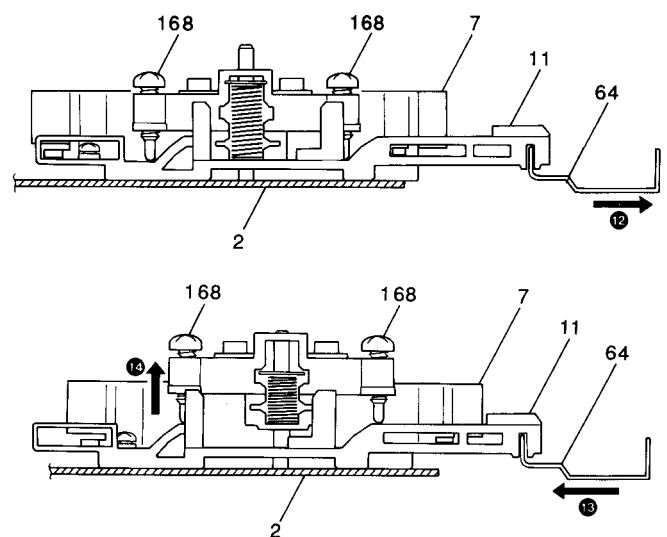


Fig. 9

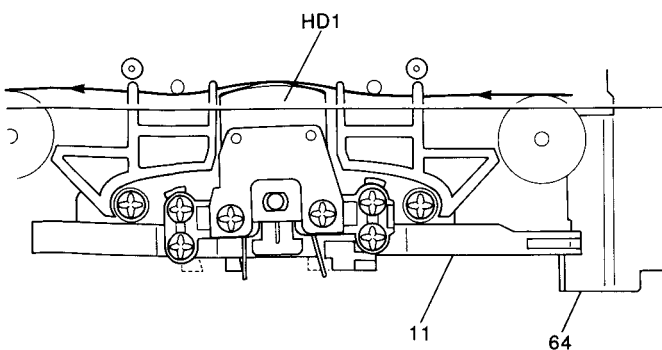


Fig. 10

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MECHANISM OPERATION DESCRIPTION

- e) The play gear metal (5) is engaged, per arrows (15) and (16) in Fig.11. Then play gear (6) is connected to take-up reel assembly (22) on forward side in FWD play, and connected to the other take-up reel assembly in REV play. Rotation from the play clutch (31) is transferred to take-up reel assembly per arrows (17) and (18) in Fig.11. As mentioned above, the direction in play mode can be changed. During play mode active, the head panel is moved backward by head panel return arm (88) in direction of arrow (19) in Fig.11. The Mute switch (S2) is turned on per arrow (20), and play mode is not reversed while FF/REW levers are pushed by operation of anti-reverse arm (33). See Fig.12.

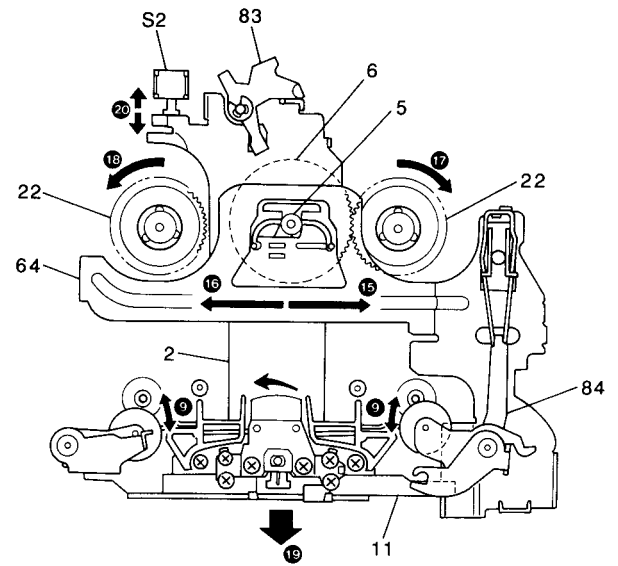


Fig. 11

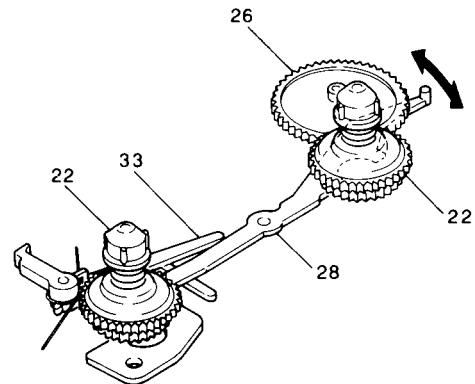


Fig. 12

MECHANISM OPERATION DESCRIPTION

FF

1. Press the FF lever (92) (**1**).
2. The return arm (88) is pushed by the FF lever (92) and rotates (**2**).
3. The head plate (2) is pulled by the return arm (88) and moves back (**3**).
4. The seesaw plate (20) is pushed by the FF lever (92) and rotates (**4**).

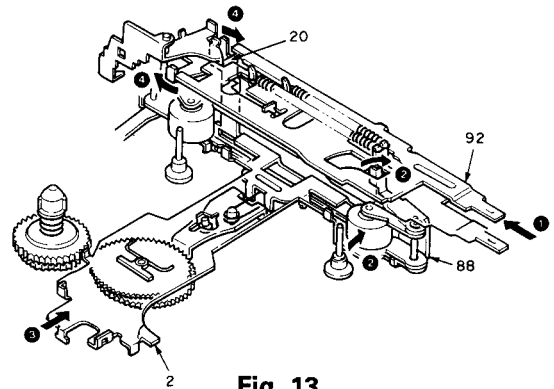


Fig. 13

5. The FR slide plate (86) is pulled by the seesaw plate (20) and moves forward (**5**).
6. The working plate (70) is pulled by the FR slide plate (86), and the FR gear (71) engages with the clutch assembly (31) and winding side reel disk assembly (22) (**6**).
7. The FF lever (92) is locked by the lock plate (96) (**7**).

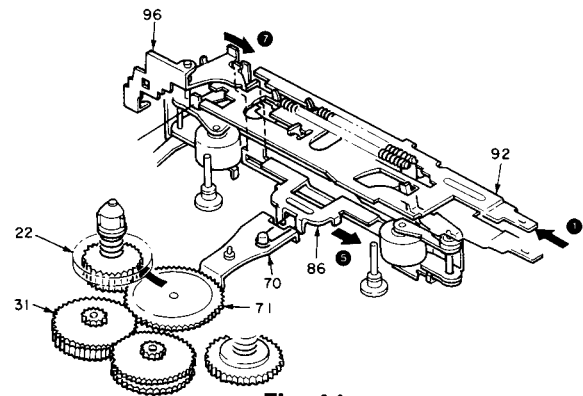


Fig. 14

KRC-555R/RL

MECHANISM OPERATION DESCRIPTION

8. If the REW lever (93) is pressed, the lock plate (96) rotates, the FF lever (92) lock is released and the deck enters play mode (**8**).

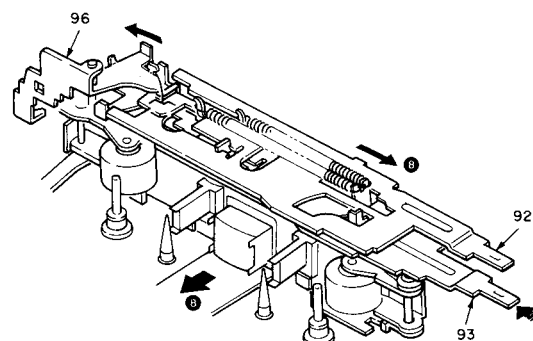


Fig. 15

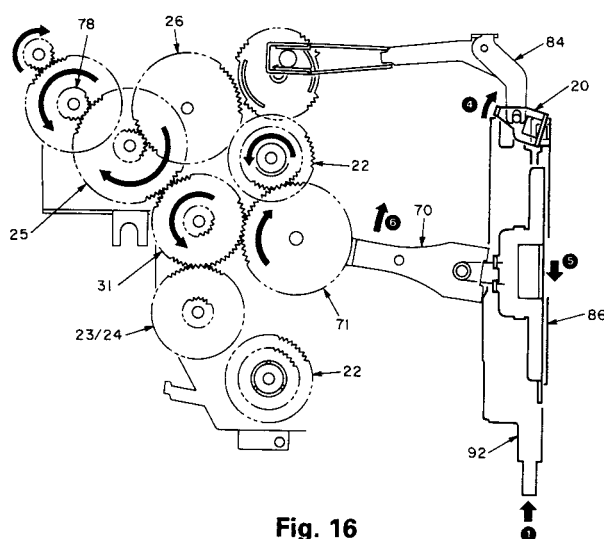


Fig. 16

MECHANISM OPERATION DESCRIPTION

REW

1. Press the REW lever (93) (**1**).
2. The return arm (88) is pushed by the REW lever (93) and rotates (**2**).
3. The head plate (2) is pulled back by the return arm (88) and moves back (**3**).
4. The seesaw plate (20) is pushed by the REW lever (93) and rotates (**4**).

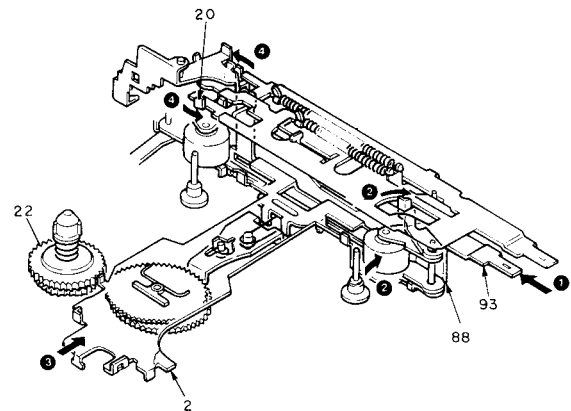


Fig. 17

5. The RF slide plate (86) is pushed by the seesaw plate (20) and moves backward (**5**).
6. The working plate (70) is pulled by the RF side plate (86), and the FR gear (71) engages with the sending side reel disk assembly (22) and F gear (24) (**6**).
7. The REW lever (93) is locked by the lock plate (96) (**7**).

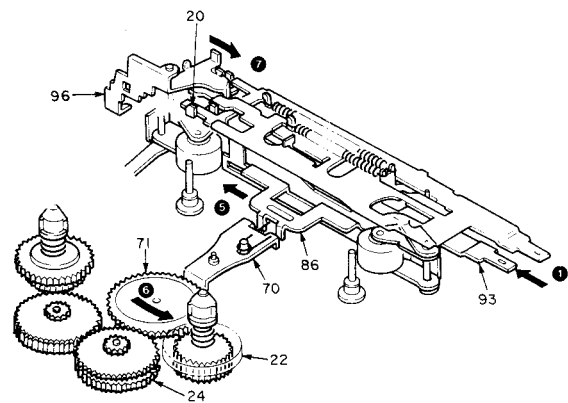


Fig. 18

8. If the FF lever (92) is pressed, the lock plate (96) rotates, the REW lever (93) lock is released and the deck enters play mode (**8**).

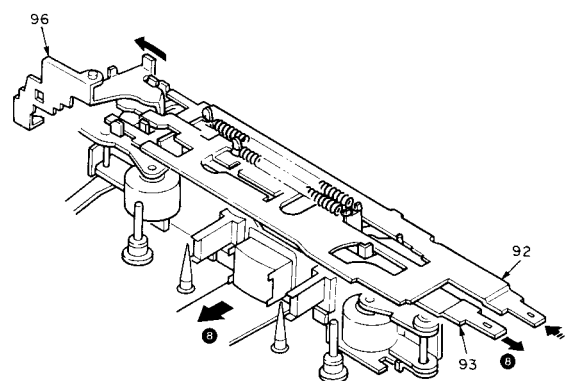


Fig. 19

KRC-555R/RL

MECHANISM OPERATION DESCRIPTION

Note : During reverse play, since the seesaw working plate (84) moves the center of the seesaw plate (20) to the right, pressing the FF lever activates the rewind operation and pressing the REW lever activates the fast-forward operation.

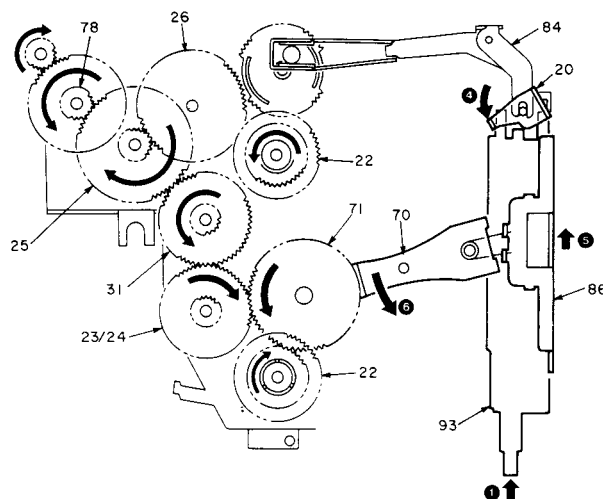
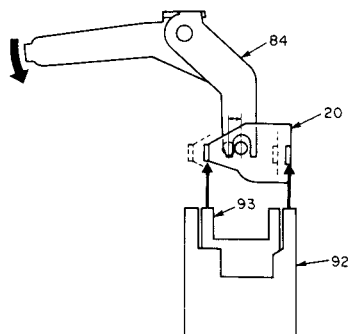


Fig. 20

AUTO REVERSE

1. When the end of the taps is reached during play-back and the reel disk assembly (22) stops rotating, the ED plate (28) is pushed by the ED gear (26) (❶).
2. The ED gear (26) rotates and the boss pushes the ED plate (28) further (❷).
3. The ED plate (28) pushes the trigger arm (81) (❸).
4. The trigger arm (81) releases the reverse gear (27) lock (❹). (The "program" operation starts.)

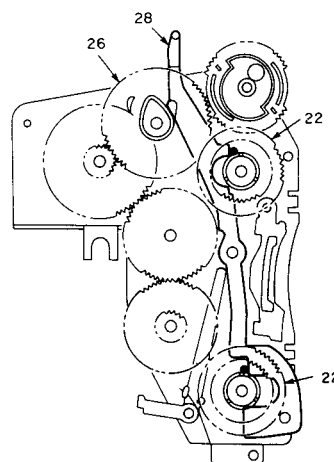


Fig. 21

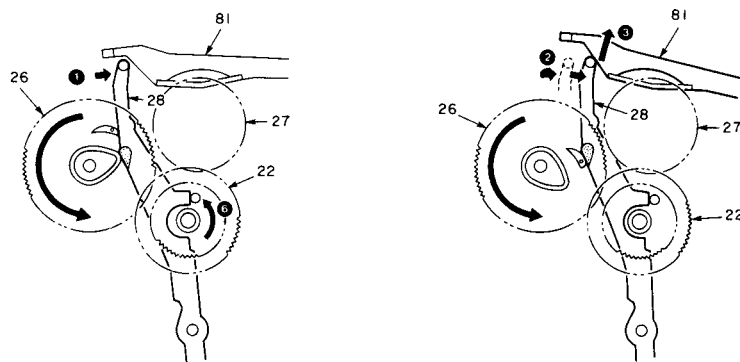


Fig. 22

MECHANISM OPERATION DESCRIPTION

5. In the same way, during FF and REW, the ED plate operates when the tape end is reached, When the plate (64) moves (⑦), the lock plate (96) rotates (⑧) and the FF/REW lever is released, causing the deck to enter play mode (⑨).
6. The pin at the lower side of the reel disk assembly (22) resets the ED plate (28) (⑥).

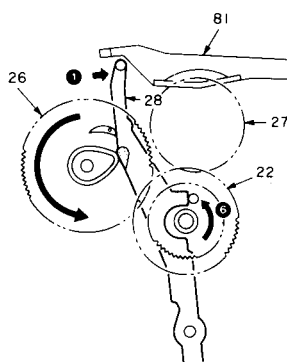


Fig. 24

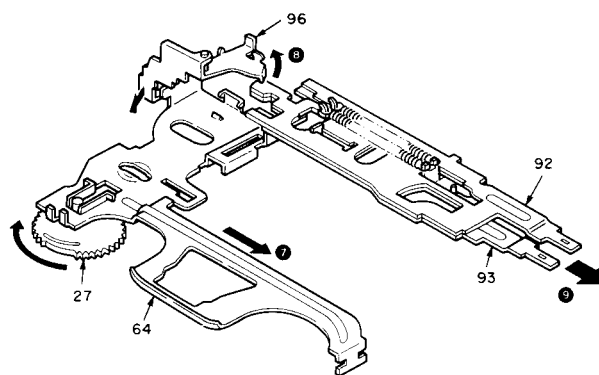


Fig. 23

EJECT

1. Press the EJ lever (61) (①).
2. The push plate (58) is pushed by the EJ lever (61) and rotates the push arm (83) (②).
3. The push arm (83) moves the head plate (2) back (③).
4. The EJ lever (61) moves the rod (52) and rotates the PE plate (44) (④).

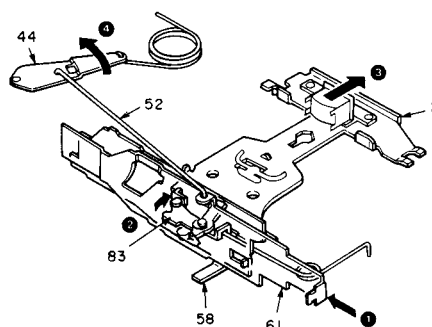
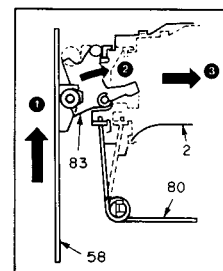


Fig. 25



5. The holder (48) moves up following the push plate (58) groove (⑤).
6. The PE plate (44) turns the reverse spring (47) over and pushes out the pack slider (50) (⑥).

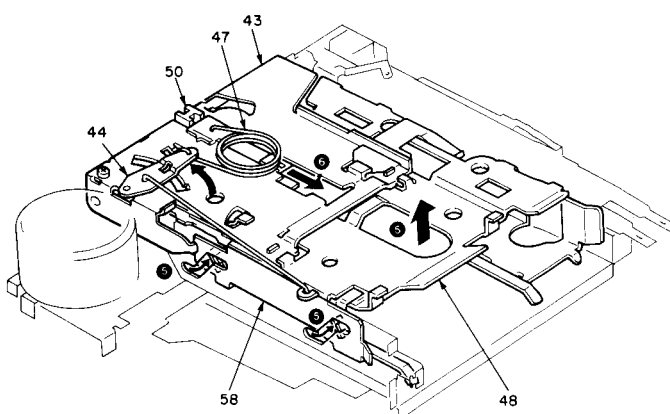


Fig. 26

KRC-555R/RL

ADJUSTMENT

Set the controls and switches as follows.

BALANCE :center position LOUD :OFF LOCAL :OFF

FADER :center position T · ADV :OFF AUTO :OFF

BASS :center position METAL :OFF

TREBLE :center position DOLBY NR :OFF

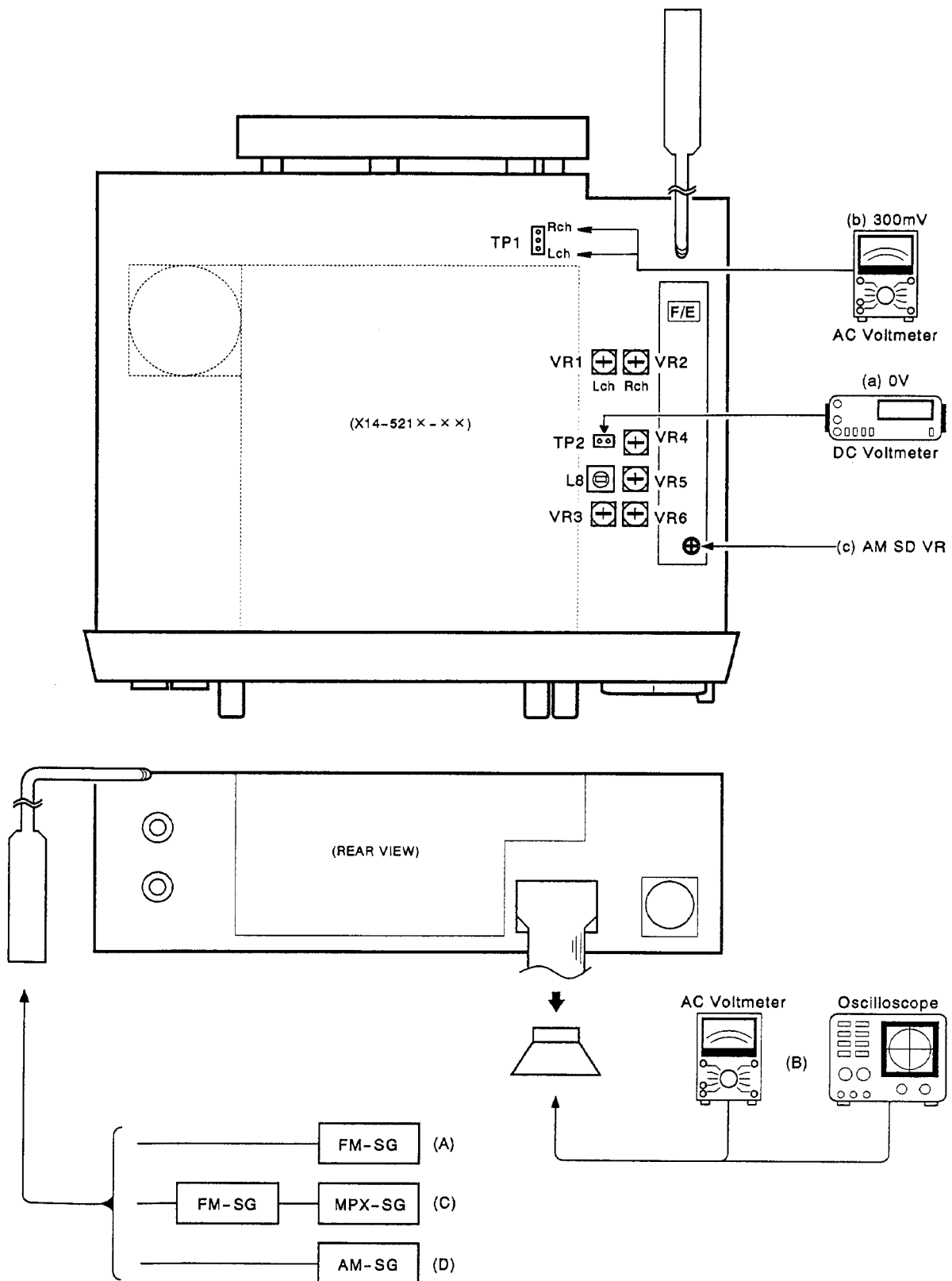
No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRI- MINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to TP2	FM 98.1MHz	L8	0V	(a)
2	SOFT MUTE LEVEL	(A) 98.1MHz 1kHz, ± 40 kHz dev 60dB μ \rightarrow No input	(B)	FM 98.1MHz	VR4	Assuming that the output is 0dB with an input of 60dB μ , adjust so that the output level is -25dB.	
3	SEPARATION	(C) 98.1MHz 1kHz, ± 40 kHz dev Pilot: ± 6 kHz dev Selector: L or R 60dB μ (ANT input)	(B)	FM 98.1MHz	VR3	Adjust it so that the crosstalk from L to R and R to L become minimum.	
4	ANRC	(C) 98.1MHz 1kHz, ± 40 kHz dev Pilot: ± 6 kHz dev Selector: L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR5	Separation 10dB	
5	SIGNAL METER (STOP LEVEL)	(A) 98.1MHz 0 dev 20dB μ (ANT input)	TEST MODE : ON	FM 98.1MHz	VR6	Adjust so that the "◀▶" indicator in the front panel are lit. Only "◀" is lit : Too low Only "▶" is lit : Too high	
AM SECTION							
(1)	SIGNAL METER (STOP LEVEL)	(D) 999 kHz 0% mod 35dB μ (ANT input)	TEST MODE : ON	AM 999 kHz	AM SD VR (IN F/E) (TU1)	Adjust so that the "◀▶" indicator in the front panel are lit. Only "◀" is lit : Too low Only "▶" is lit : Too high	(c)
CASSETTE DECK SECTION							
[1]	AZINUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L ch / R ch or FWD / RVS becomes maximum	
[2]	PLAYBACK LEVEL	MTT-150	Connect an AC voltmeter to TP1	TAPE PLAY	VR1 (L) VR2 (R)	300mV	(b)

*Test mode : Turn power ON while holding the **FM** and **◀▶** keys depressed. (All of the LCD elements light.)

Then, press the **SOURCE** key or **AM** key.

To quit : Power OFF.

ADJUSTMENT

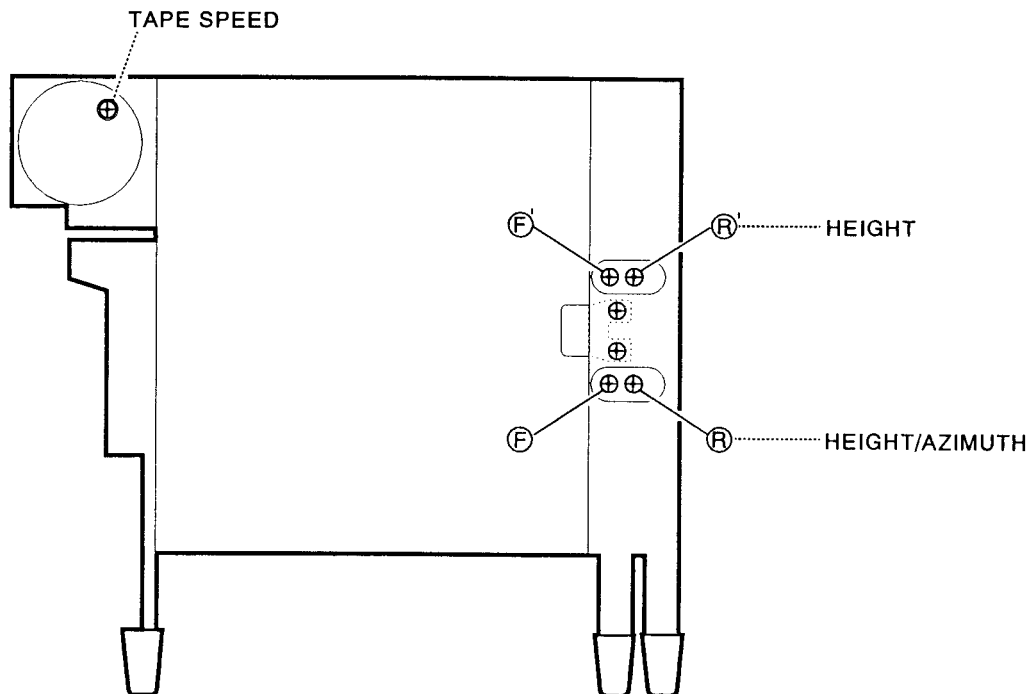
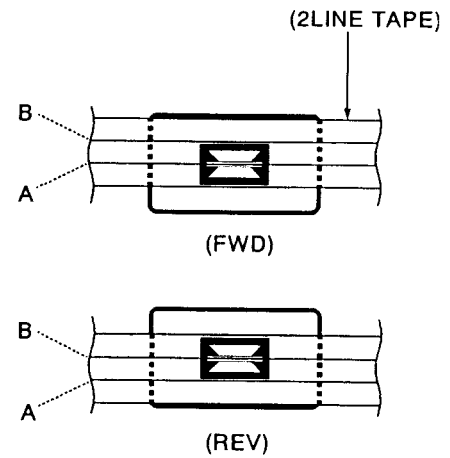


ADJUSTMENT

Head Angle Adjustment

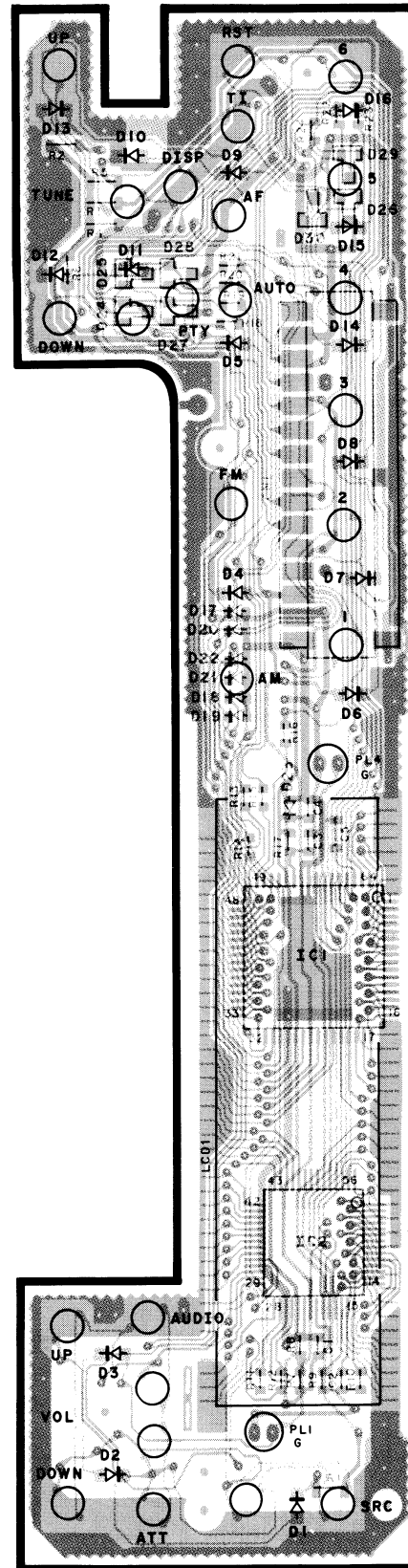
Head height alignment procedure (type D)

- During FWD transport, adjust screws (F) and (F') so that line A of 2-line tape passes through the center of the head shield plate (white section).
- During REV transport, adjust screws (R) and (R') so that line B of 2-line tape passes through the center of the head shield plate (white section).
- After the alignment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used : SCC-1659, manufactured by A-BEX)



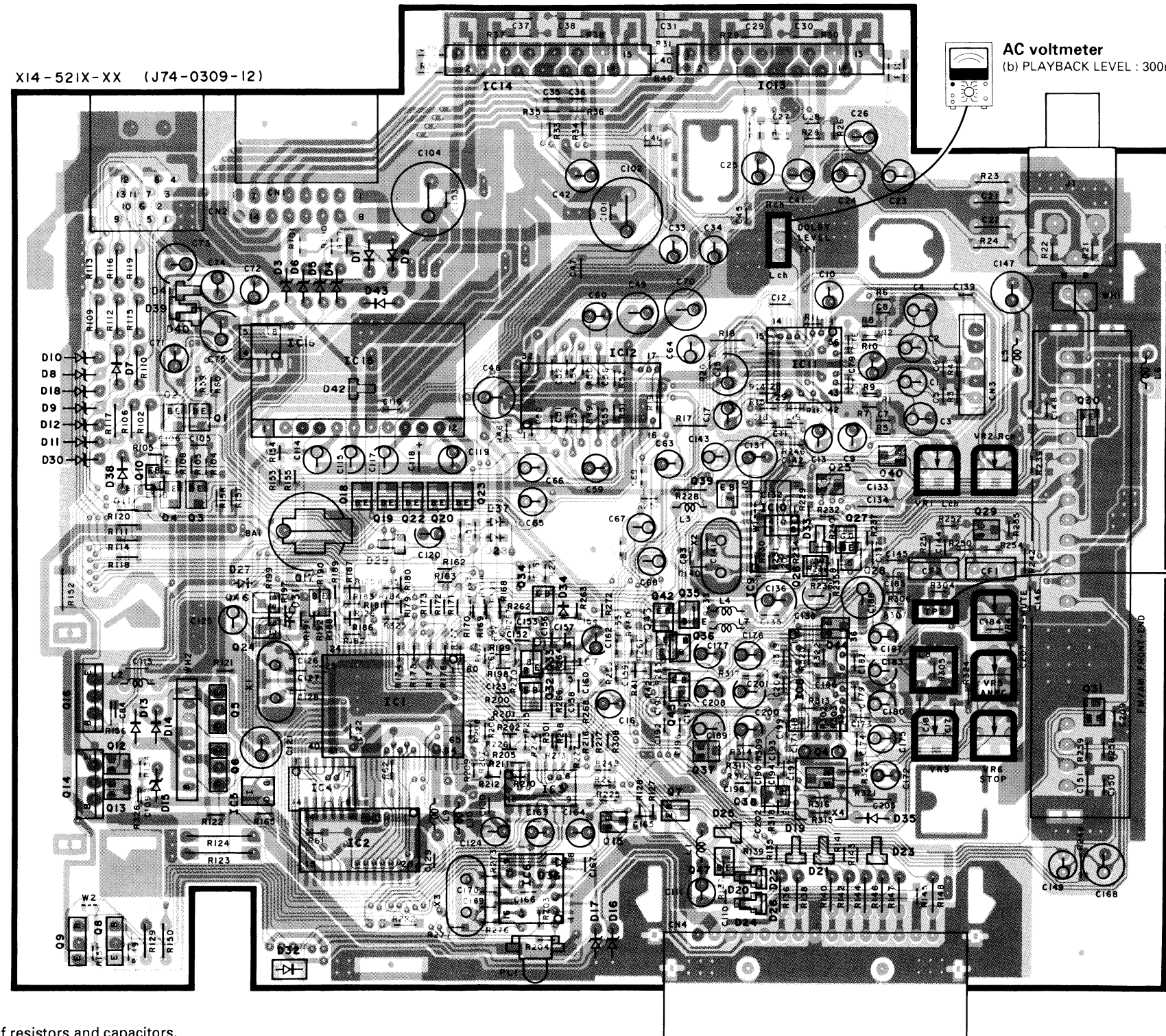
PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT (X25-7142-75)
X25-7142-75 (J74-0316-12)



SYNTHESIZER UNIT (X14-5212-XX) -73 : 555R, -74 : 555RL

X14-521X-XX (J74-0309-12)



AC voltmeter
(b) PLAYBACK LEVEL : 300mV

DC voltmeter
(a) DISCRIMINATOR : 0V

X14-5212-XX			X14-5212-XX		
IC	Q	Address	IC	Q	Address
1		5E	20		4E
2		6E	23		4E
3		6F	24		5D
4		6E	25		4G
5		6D	26		5G
6		6F	27		5G
7		5F	28		5G
8		5G	29		5H
9		5G	30		4H
10		5G	31		5I
11		4G	32		5F
12		4F	33		5F
13		2G	34		5F
14		2F	35		5F
15		4E	36		5F
3		4D	37		6G
4		4D	38		6G
5		5D	39		4G
6		6D	40		4G
7		6F	41		6G
10		4D	42		5F
11		4D	43		5F
12		6D	44		5G
13		6D	45		5F
14		6D	46		5D
15		6F	47		6G
16		5D	X25-7142-75		
17		5E	IC	Q	Address
18		4E	1		5B
19		4E	2		6B

Refer to the schematic diagram for the values of resistors and capacitors.

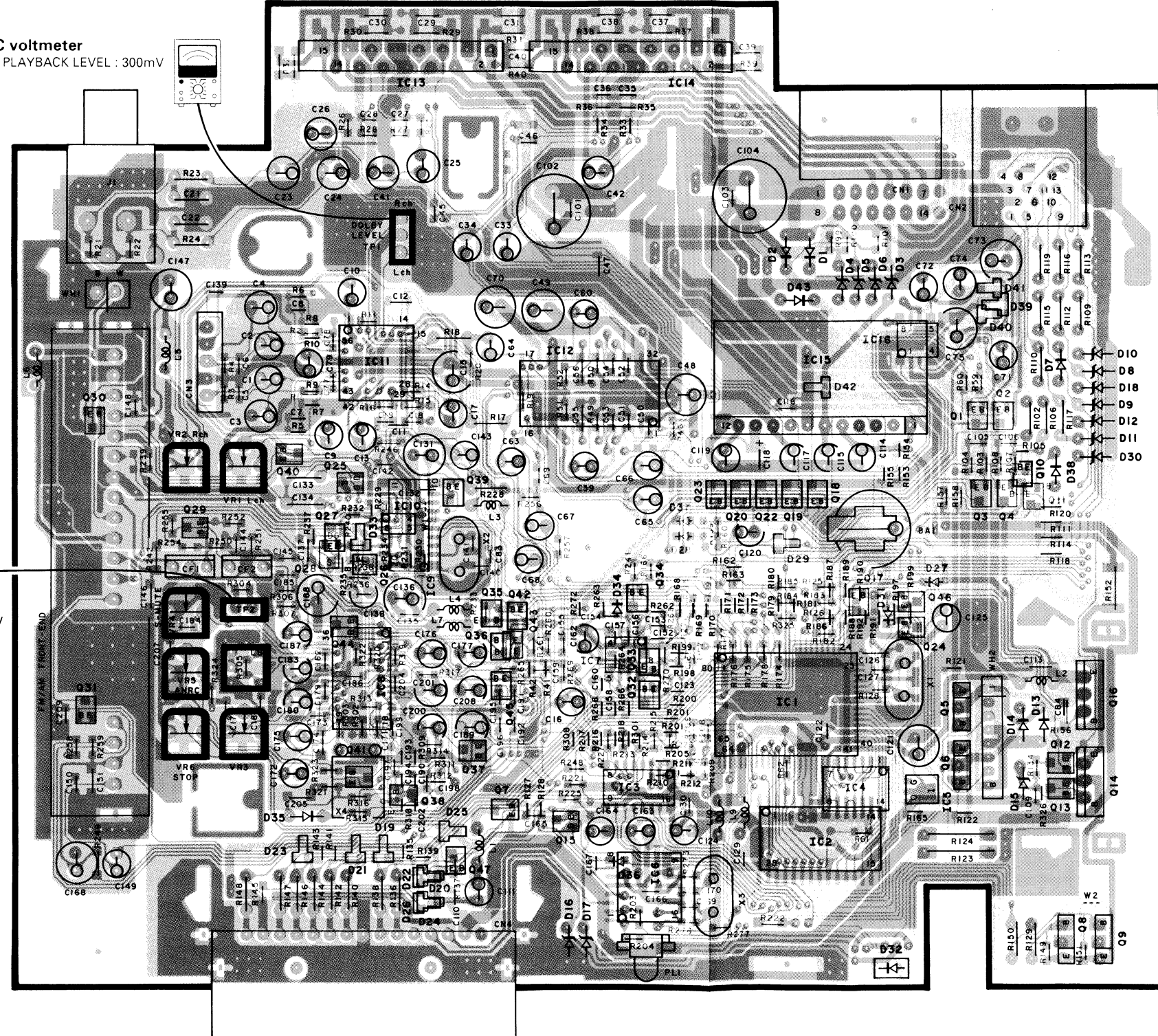
PC BOARD (FOIL SIDE VIEW)

X14-5212-XX			X14-5212-XX		
IC	Q	Address	IC	Q	Address
1		5P	20		4P
2		6P	23		4P
3		6O	24		5Q
4		6P	25		4N
5		6Q	26		5N
6		6O	27		5N
7		5O	28		5N
8		5N	29		5M
9		5N	30		4M
10		5N	31		5L
11		4N	32		5O
12		4O	33		5O
13		2N	34		5O
14		2O	35		5O
15		4P	36		5O
3		4Q	37		6N
4		4Q	38		6N
5		5Q	39		4N
6		6Q	40		4N
7		6O	41		6N
10		4Q	42		5O
11		4Q	43		5O
12		6Q	44		5N
13		6Q	45		5O
14		6Q	46		5Q
15		6O	47		6N
16		5Q	X25-7142-75		
17		5P	IC	Q	Address
18		4P	1		5B
19		4P	2		6B

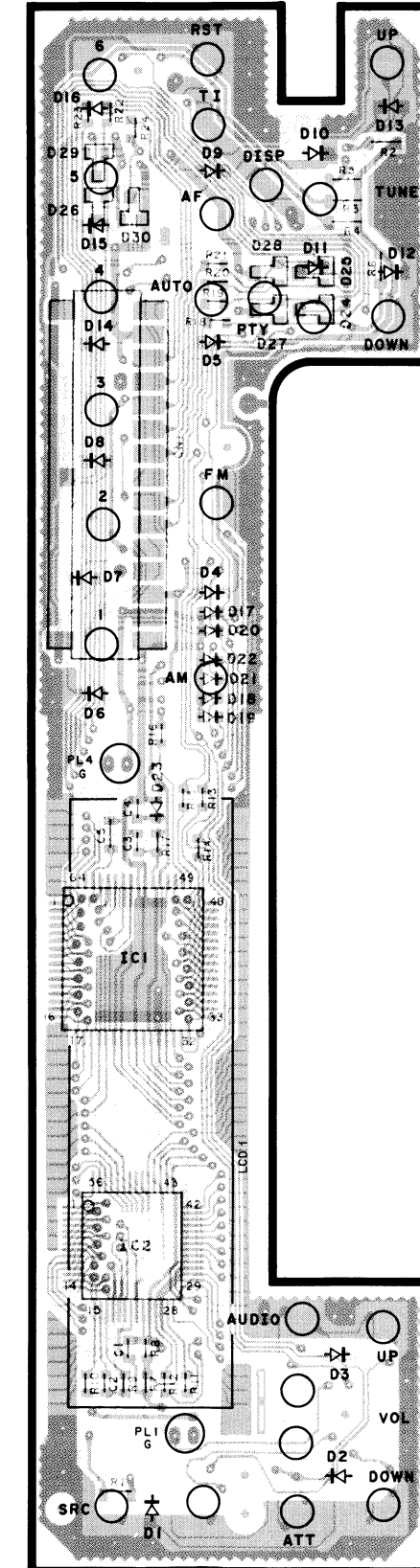
SYNTHESIZER UNIT (X14-5212-XX) -73 : 555R, -74 : 555RL
X14-521X-XX (J74-0309-12)

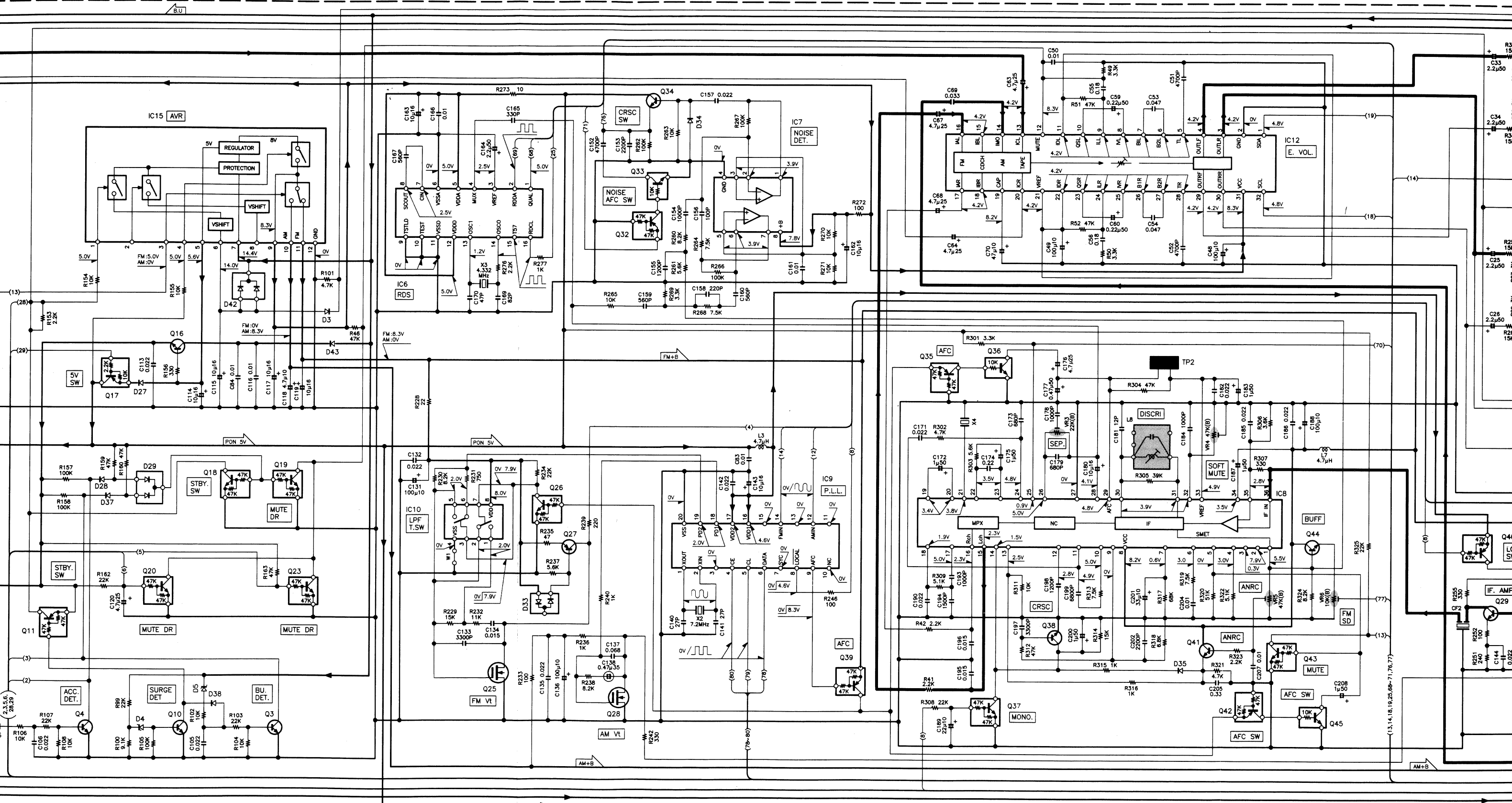
AC voltmeter
(b) PLAYBACK LEVEL : 300mV

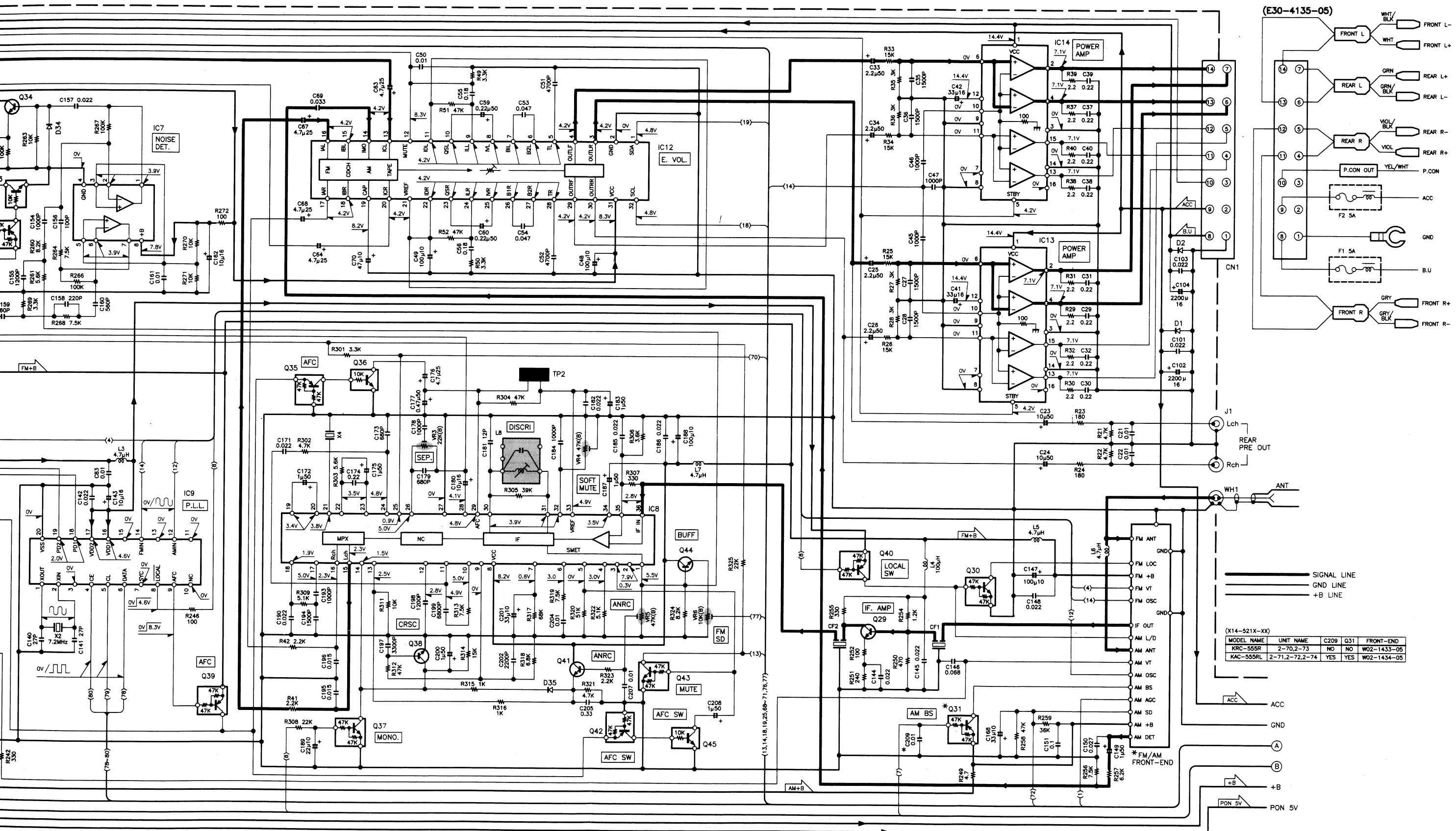
DC voltmeter
(a) DISCRIMINATOR : 0V



SWITCH UNIT (X25-7142-75)
X25-7142-75 (J74-0316-12)

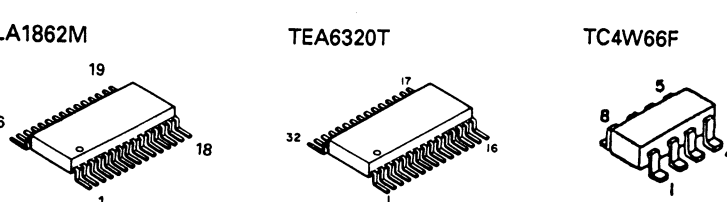






(X14-521X-XX)

MODEL NAME	UNIT NAME	C209	Q31	FRONT-END
KRC-555R	2-70.2-73	NO	NO	W02-1433-05
KRC-555RL	2-71.2-72.2-74	YES	YES	W02-1434-05



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

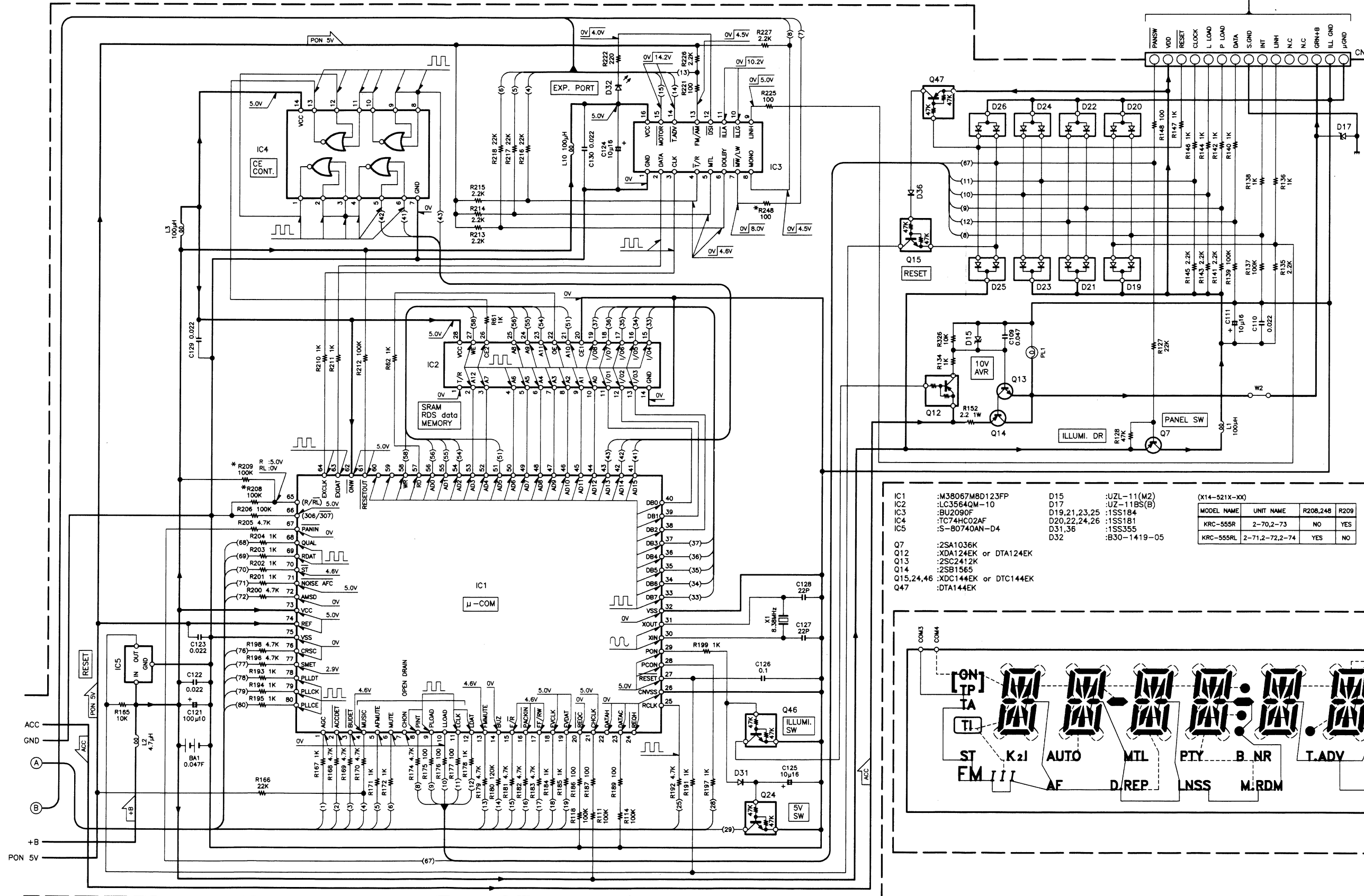
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KRC-555R/RL(E)(1/2)

KRC-555R/RL
KENWOOD

Y36-1902-70

(X14-521X-XX)



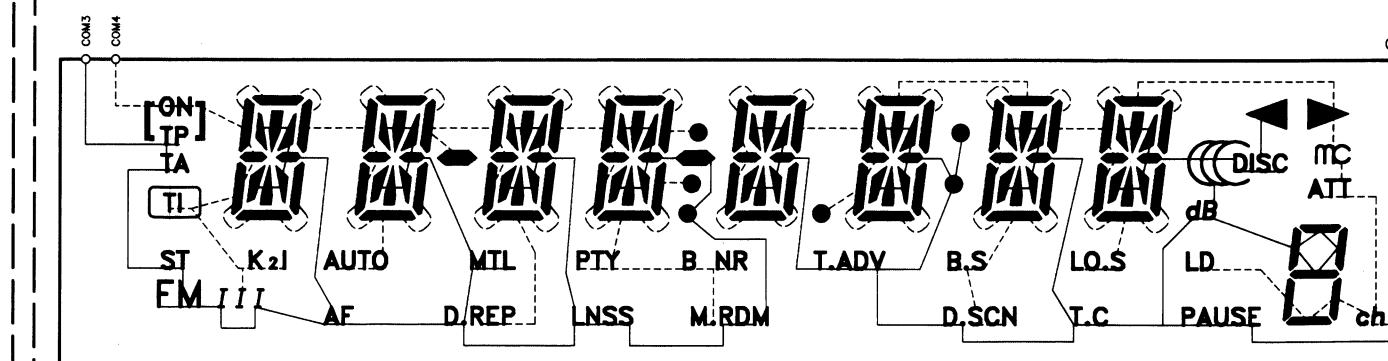
IC1 :M38067M8D123FP
 IC2 :LC3564QM-10
 IC3 :BU2090F
 IC4 :TC74HC02AF
 IC5 :S-80740AN-D4

D15 :UZL-11(M2)
 D17 :UZ-11BS(B)
 D19,21,23,25 :1SS184
 D20,22,24,26 :1SS181
 D31,36 :1SS355
 D32 :B30-1419-05

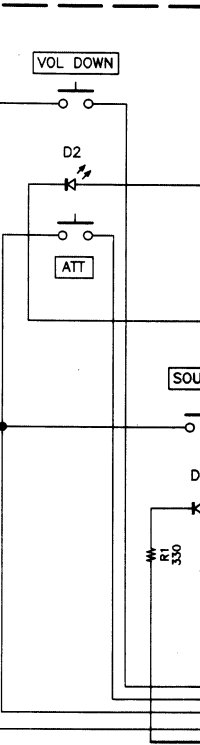
Q7 :2SA1036K
 Q12 :XDA124EK or DTA124EK
 Q13 :2SC2412K
 Q14 :2SB1565
 Q15,24,46 :XDC144EK or DTC144EK
 Q47 :DTA144EK

(X14-521X-XX)

MODEL NAME	UNIT NAME	R208,248	R209
KRC-555R	2-70,2-73	NO	YES
KRC-555RL	2-71,2-72,2-74	YES	NO

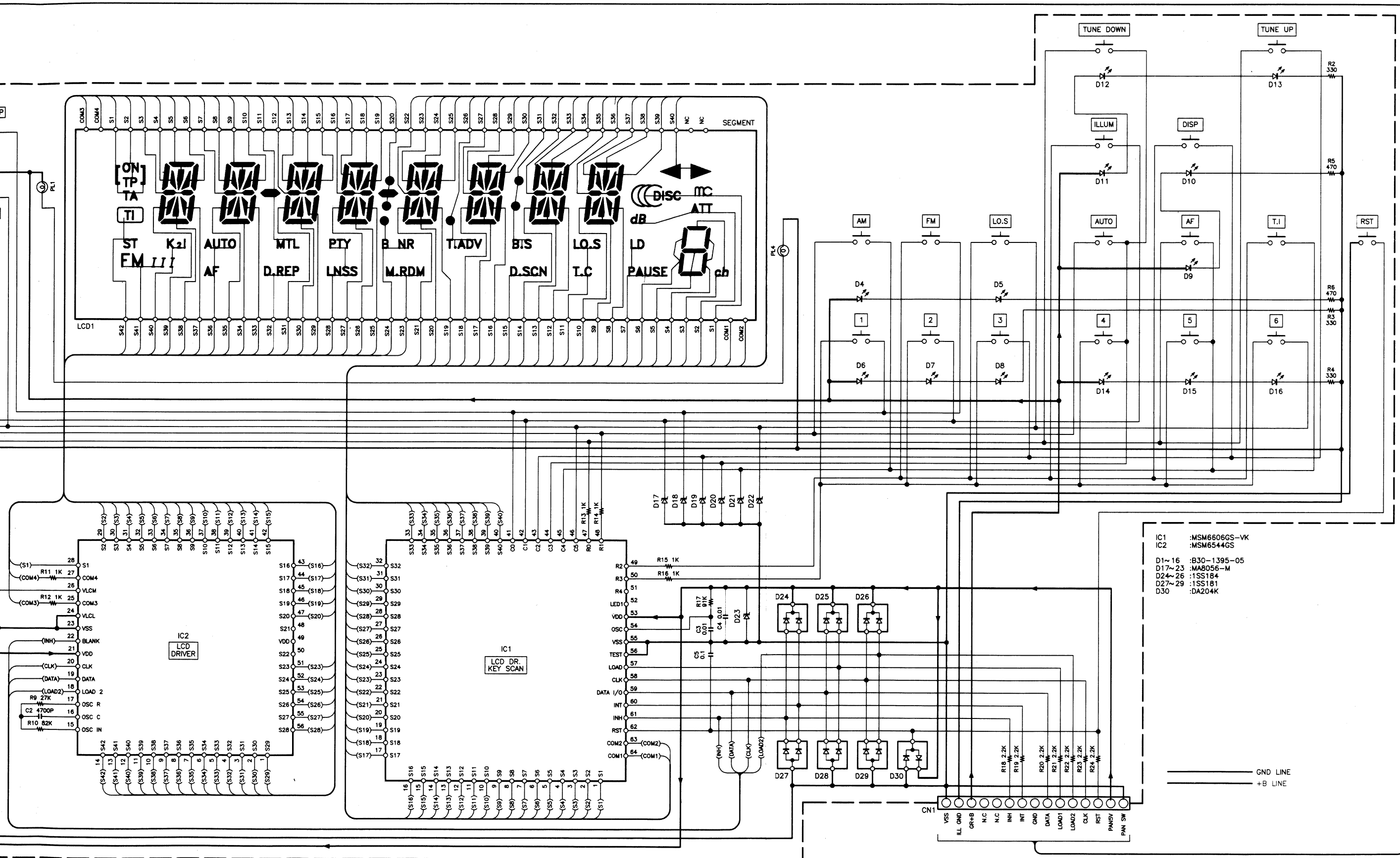


(X25-7142-73)



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or units.



KRC-555R/RL(E)(2/2)

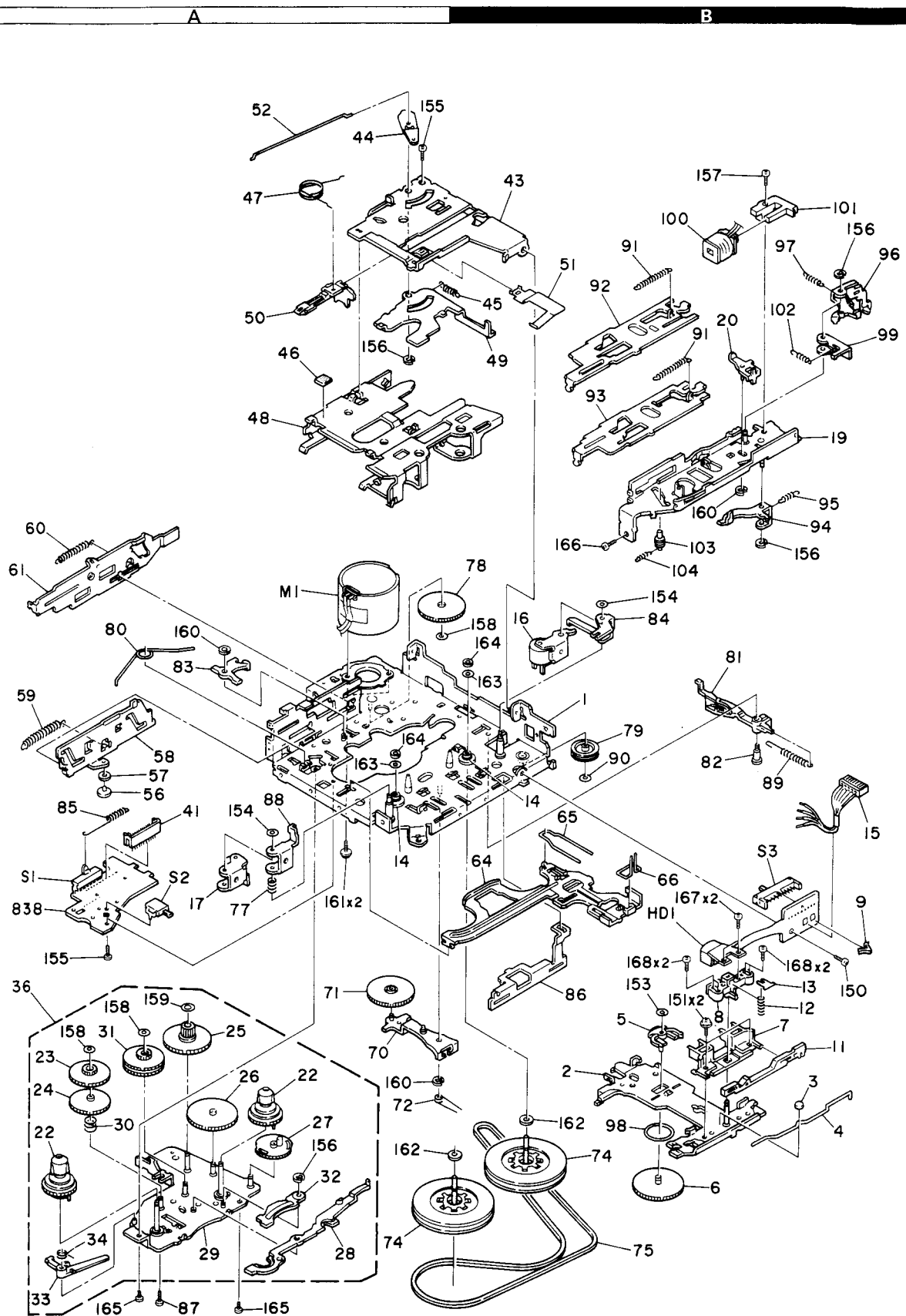
Y36-1902-70

KRC-555R/RL

KENWOOD

KRC-555R/RL

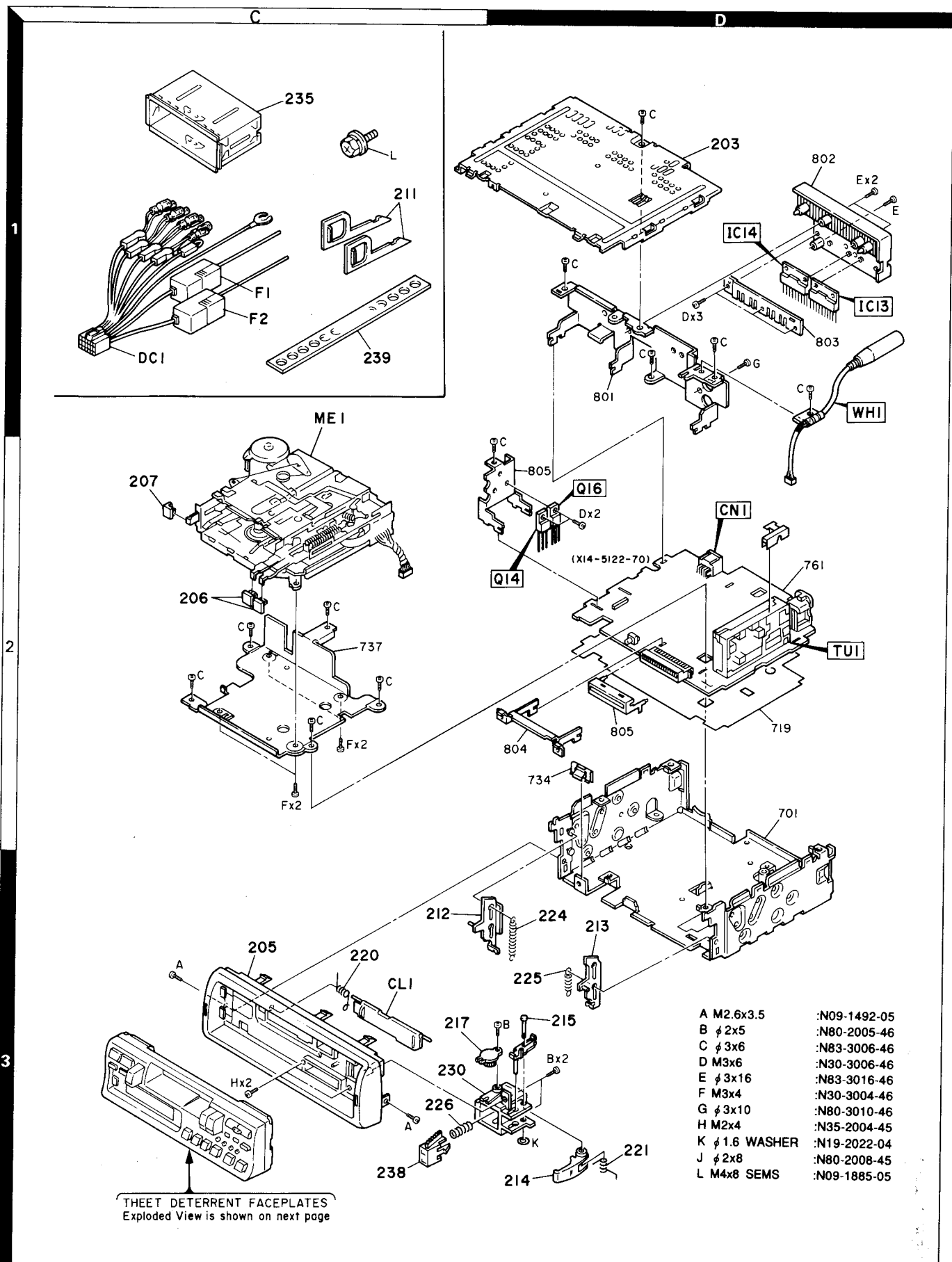
EXPLODED VIEW (MECHANISM)



D40-1054-05

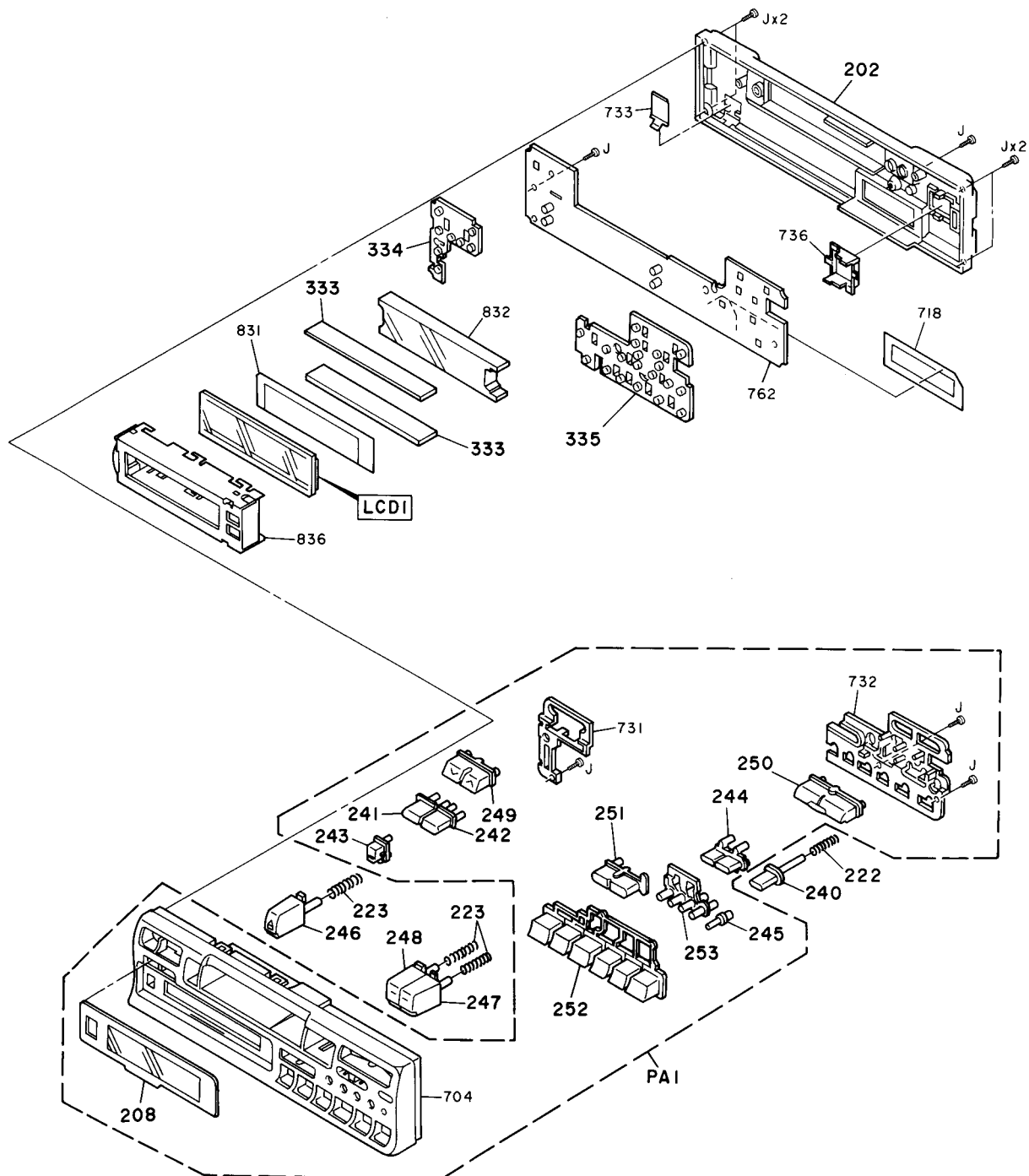
KRC-555R/RL

EXPLODED VIEW (UNIT)



KRC-555R/RL

EXPLODED VIEW (UNIT)



KRC-555R/RL

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
KRC-555R/RL			
202	1F	* A46-1222-01	REAR COVER
203	1D	* A52-0669-02	TOP COVER
CL1	3C	* A53-1589-03	CASSETTE LID
PA1	3E	* A64-0271-02	PANEL ASSY (KRC-555R)
PA1	3E	* A64-0272-02	PANEL ASSY (KRC-555RL)
205	3C	* B01-0876-01	PANEL ESCUTCHEON
206	2C	B09-0513-04	CAP
207	2C	B09-0519-04	CAP
208	3E	* B10-1576-03	FRONT GLASS
-		B46-0100-30	WARRANTY CARD
-		B46-0182-14	ID CARD (KRC-555R)
-		B46-0606-04	ID CARD (KRC-555RL)
-	*	B64-0400-00	INSTRUCTION MANUAL (E,N)
-	*	B64-0401-00	INSTRUCTION MANUAL (F,D)
-	*	B64-0402-00	INSTRUCTION MANUAL (I,S)
210	3D	D10-2776-14	LEVER ASSY
211	1C	D10-2834-04	LEVER
212	3D	D10-2836-04	LEVER
213	3D	* D10-2888-04	LEVER
214	3D	* D10-2889-04	ARM
215	3D	D21-2127-04	SHAFT
217	3C	D39-0211-05	DAMPER
ME1	2C	D40-1054-05	CASSETTE MECHANISM ASSY
Δ DC1	1C	* E30-4135-05	DC CORD
F1, 2	1C	F06-5024-05	FUSE (5A)
220	3C	G01-2525-04	TORSION COIL SPRING
221	3D	* G01-2632-34	TORSION COIL SPRING
222	2F	G01-2645-04	COMPRESSION SPRING
223	3E	G01-2646-04	COMPRESSION SPRING
224	3D	G01-2654-04	EXTENSION SPRING
225	3D	* G01-2678-04	EXTENSION SPRING
226	3C	* G01-2694-04	COMPRESSION SPRING
-		H10-4460-02	POLYSTYRENE FOAMED FIXTURE
-		H25-0329-04	PROTECTION BAG (280X450X0.03)
-		H25-0337-04	PROTECTION BAG (180X300X0.03)
-		H25-1111-04	PROTECTION BAG (280X450X0.03)
-	*	H54-0215-04	ITEM CARTON CASE (KRC-555R)
-	*	H54-0216-04	ITEM CARTON CASE (KRC-555RL)
-	*	H64-0237-04	OUTER CARTON CASE (KRC-555R)
-	*	H64-0238-04	OUTER CARTON CASE (KRC-555RL)
230	3D	J19-4466-32	HOLDER
235	1C	J21-7473-01	MOUNTING HARDWARE (CASE)
238	3C	J52-0037-14	MAGNET CATCH
239	1C	J54-0071-04	STAY
240	3F	K24-1323-04	KNØB (RELEASE)
241	2E	* K24-1453-04	KNØB (ATT)
242	2E	* K24-1454-04	KNØB (AUDIO)
243	2E	* K24-1455-04	KNØB (SOURCE)
244	2F	* K24-1456-03	KNØB (DISP)
245	3F	* K24-1458-04	KNØB (RESET)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
246	3E	* K24-1459-04	KNØB (EJECT)
247	3E	* K24-1460-04	KNØB (FF)
248	3E	* K24-1461-04	KNØB (REW)
249	2E	* K25-0638-03	KNØB (VOL)
250	2F	* K25-0639-03	KNØB (TUNE)
251	2F	* K25-0640-03	KNØB (AM/FM)
252	3F	* K25-0641-03	KNØB (PRESET 1-6)
253	3F	* K25-0642-03	KNØB (AF-TI)
A	3C	N09-1492-05	MACHINE SCREW (2.6X3.5, +^)
B	3D	N80-2005-46	PAN HEAD TAPTITE SCREW
C	1D	N83-3006-46	PAN HEAD TAPTITE SCREW
F	2C	N30-3004-46	PAN HEAD MACHINE SCREW
H	3C	N35-2004-45	BINDING HEAD MACHINE SCREW
J	2F	N80-2008-45	PAN HEAD TAPTITE SCREW
K	3D	N19-2022-04	FLAT WASHER
L	1C	N09-1885-05	SEMS (MACHINE SCREW)
SYNTHESIZER UNIT (X14-5212-XX) -73 : 555R, -74 : 555RL			
D32	*	B30-1419-05	LED
PL1	*	B30-1425-05	LAMP
BA1		C90-1827-05	BACKUP
C1	, 2	CE04CW1C100M	ELECTRO
C3	, 4	CE04CW1A330M	ELECTRO
C5	, 6	CC73FSL1H821J	CHIP C
C7	, 8	* C93-1054-05	CERAMIC
C9	, 10	CE04CW1H0R1M	ELECTRO
C11	, 12	CK73EB1E104K	CHIP C
C13		CE04CW1H010M	ELECTRO
C15		CE04CW1A101M	ELECTRO
C16		CE04CW1C100M	ELECTRO
C17		CE04CW1HR33M	ELECTRO
C18		CK73FB1H103K	CHIP C
C19		CK73FB1H472K	CHIP C
C21	, 22	C91-2040-05	CERAMIC
C23	, 24	CE04DW1H100M	ELECTRO
C25	, 26	CE04DW1H2R2M	ELECTRO
C27	, 28	CK73FB1H152K	CHIP C
C29	, 32	CK73EB1E224K	CHIP C
C33	, 34	CE04CW1H2R2M	ELECTRO
C35	, 36	CK73FB1H152K	CHIP C
C37	, 40	CK73EB1E224K	CHIP C
C41	, 42	C90-2681-05	ELECTRO
C45	, 46	CK73FB1H102K	CHIP C
C47		CK73EB1H102K	CHIP C
C48	, 49	CE04CW1A101M	ELECTRO
C50		CK73FB1H103K	CHIP C
C51	, 52	CK73FB1H472K	CHIP C
C53	, 54	CK73FB1E473KTA	CHIP C
C55	, 56	CK73EB1E184K	CHIP C
C59	, 60	CE04CW1HR22M	ELECTRO
C63	, 64	CE04CW1E4R7M	ELECTRO
C67	, 68	CE04CW1E4R7M	ELECTRO
C69		CK73FB1E333KTA	CHIP C
C70		CE04CW1A470M	ELECTRO
C77	, 78	CC73FCH1H101J	CHIP C
			0.047F 5.5WV
			10UF 16WV
			33UF 10WV
			820PF J
			0.012UF K
			0.1UF 50WV
			0.10UF K
			1.0UF 50WV
			100UF 10WV
			10UF 16WV
			0.33UF 50WV
			0.010UF K
			0.010UF K
			4700PF K
			0.010UF Z
			10UF 50WV
			2.2UF 50WV
			1500PF K
			0.22UF K
			2R2UF 50WV
			1500PF K
			0.22UF K
			33UF 16WV
			1000PF K
			1000PF K
			100UF 10WV
			0.010UF K
			4700PF K
			0.047UF K
			0.18UF K
			0.22UF 50WV
			4.7UF 25WV
			4.7UF 25WV
			0.033UF K
			47UF 10WV
			100PF J

E: Europe W: Without Europe P: Canada X: Australia

K: U.S.A. and Canada

M: Without Europe, U.S.A. and Canada

Δ indicates safety critical components.

KRC-555R/RL

PARTS LIST

※ New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

SYNTHESIZER UNIT (X14-5212-XX)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
C79		CE04CW1H010M	ELECTRØ 1.0UF 50WV	C167		CK73FB1H561K	CHIP C 560PF K
C83 -85		CK73FB1H103K	CHIP C 0.010UF K	C168		CE04CW1A330M	ELECTRØ 33UF 10WV
C101		CK73FB1H223KTA	CHIP C 0.022UF K	C169		CC73FCH1H820J	CHIP C 82PF J
C102		C90-2765-05	ELECTRØ 2200UF 16WV	C170		CC73FCH1H470J	CHIP C 47PF J
C103		CK73FB1H223KTA	CHIP C 0.022UF K	C171		CK73FB1H223KTA	CHIP C 0.022UF K
C104		C90-2765-05	ELECTRØ 2200UF 16WV	C172		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C105, 106		CK73FB1H223KTA	CHIP C 0.022UF K	C173		CK73FB1H681K	CHIP C 680PF K
C109		CK73FB1E473KTA	CHIP C 0.047UF K	C174		CK73EB1E224K	CHIP C 0.22UF K
C110		CK73FB1H223KTA	CHIP C 0.022UF K	C175		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C111		CE04CW1C100M	ELECTRØ 10UF 16WV	C176		CE04CW1E4R7M	ELECTRØ 4.7UF 25WV
C113		CK73EB1H223K	CHIP C 0.022UF K	C177		CE04CW1HR47M	ELECTRØ 0.47UF 50WV
C114, 115		CE04CW1C100M	ELECTRØ 10UF 16WV	C178		CC73FSL1H102J	CHIP C 1000PF J
C116		CK73FB1H103K	CHIP C 0.010UF K	C179		CK73FB1H681K	CHIP C 680PF K
C117		CE04CW1C100M	ELECTRØ 10UF 16WV	C180		CE04CW1C100M	ELECTRØ 10UF 16WV
C118		C92-0009-05	CHIP TAN 4.7UF 10WV	C181		CC73FCH1H120J	CHIP C 12PF J
C119		CE04CW1C100M	ELECTRØ 10UF 16WV	C182		CK73FB1H223KTA	CHIP C 0.022UF K
C120		CE04CW1E4R7M	ELECTRØ 4.7UF 25WV	C183		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C121		CE04CW1A101M	ELECTRØ 100UF 10WV	C184		CK73FB1H102K	CHIP C 1000PF K
C122, 123		CK73FB1H223KTA	CHIP C 0.022UF K	C185, 186		CK73FB1H223KTA	CHIP C 0.022UF K
C124, 125		CE04CW1C100M	ELECTRØ 10UF 16WV	C187		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C126		CK73EB1E104K	CHIP C 0.10UF K	C188		CE04CW1A101M	ELECTRØ 100UF 10WV
C127, 128		CC73FCH1H220J	CHIP C 22PF J	C189		CE04CW1A220M	ELECTRØ 22UF 10WV
C129, 130		CK73FB1H223KTA	CHIP C 0.022UF K	C190		CK73FB1H223KTA	CHIP C 0.022UF K
C131		CE04CW1A101M	ELECTRØ 100UF 10WV	C191, 192		CK73FB1H272K	CHIP C 2700PF K
C132		CK73FB1H223KTA	CHIP C 0.022UF K	C193		CK73FB1H102K	CHIP C 1000PF K
C133		CF92V1H332J	MF 3300PF J	C194		CK73FB1H152K	CHIP C 1500PF K
C134		C91-2042-05	CERAMIC 0.015UF Z	C195, 196		CK73FB1H153KTA	CHIP C 0.015UF K
C135		CK73FB1H223KTA	CHIP C 0.022UF K	C197		CK73FB1H332K	CHIP C 3300PF K
C136		CE04CW1A101M	ELECTRØ 100UF 10WV	C198		CK73FB1H122K	CHIP C 1200PF K
C137		CK73EB1E683K	CHIP C 0.068UF K	C199		CK73FB1H682K	CHIP C 6800PF K
C138	*	C90-2807-05	ELECTRØ 0.47UF 35WV	C200		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C139		CK73FB1E473KTA	CHIP C 0.047UF K	C201		CE04CW1A330M	ELECTRØ 33UF 10WV
C140, 141		CC73FCH1H270J	CHIP C 27PF J	C202		CK73FB1H222K	CHIP C 2200PF K
C142		CK73FB1H223KTA	CHIP C 0.022UF K	C204		CK73FB1H103K	CHIP C 0.010UF K
C143		CE04CW1C100M	ELECTRØ 10UF 16WV	C205		C93-1026-05	CERAMIC 0.33UF 16WV
C144, 145		CK73FB1H223KTA	CHIP C 0.022UF K	C207		CK73FB1H103K	CHIP C 0.010UF K
C146		CK73EB1E683K	CHIP C 0.068UF K	C208		CE04CW1H010M	ELECTRØ 1.0UF 50WV
C147		CE04CW1A101M	ELECTRØ 100UF 10WV	C209		CK73FB1H103K	CHIP C 0.010UF K
C148		CK73FB1H223KTA	CHIP C 0.022UF K	CN1		E58-0825-05	RECTANGULAR RECEPTACLE
C149		CE04CW1H010M	ELECTRØ 1.0UF 50WV	CN3		E40-3240-05	PIN ASSY
C150		CK73FB1E273KTA	CHIP C 0.027UF K	CN4	*	E58-0827-05	RECTANGULAR RECEPTACLE
C151		CK73EB1E104K	CHIP C 0.10UF K	J1		E13-0235-05	PHONE JACK
C152		CK73FB1H472K	CHIP C 4700PF K	TP1		E40-9184-05	PIN ASSY
C153		CK73FB1H222K	CHIP C 2200PF K	TP2		E40-3640-05	PIN ASSY
C154		CK73FB1H102K	CHIP C 1000PF K	WH1		E30-4126-05	CORD WITH PLUG (ANT)
C155		CK73FB1H122K	CHIP C 1200PF K	WH2	*	E39-0054-05	WIRING HARNESS
C156		CC73FCH1H101J	CHIP C 100PF J	CF1 ,2		L72-0716-05	CERAMIC FILTER
C157		CK73FB1H223KTA	CHIP C 0.022UF K	L1		L40-1011-17	SMALL FIXED INDUCTØR
C158		CK73FB1H221K	CHIP C 220PF K	L2 ,3		L40-4791-17	SMALL FIXED INDUCTØR(4.7UH, K)
C159, 160		CK73FB1H561K	CHIP C 560PF K	L4		L40-1011-17	SMALL FIXED INDUCTØR
C161		CK73FB1H103K	CHIP C 0.010UF K	L5 -7		L40-4791-17	SMALL FIXED INDUCTØR(4.7UH, K)
C162, 163		CE04CW1C100M	ELECTRØ 10UF 16WV	L8		L30-0719-05	FM IFT
C164		CE04CW1H2R2M	ELECTRØ 2R2UF 50WV	L9 ,10		L40-1011-17	SMALL FIXED INDUCTØR
C165		CK73FB1H331K	CHIP C 330PF K	X1		L77-2003-05	CRYSTAL RESONATOR(8.388608MHZ)
C166		CK73FB1H103K	CHIP C 0.010UF K				

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⚠ indicates safety critical components.

KRC-555R/RL

PARTS LIST

× New Parts

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SYNTHESIZER UNIT (X14-5212-XX)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
X2		L77-1166-05	CRYSTAL RESONATOR	R153		RK73FB2A222J	CHIP R 2.2K J 1/10W
X3		L77-2002-05	CRYSTAL RESONATOR(4.3320MHZ)	R154,155		RK73FB2A103J	CHIP R 10K J 1/10W
X4		L78-0525-05	RESONATOR	R156		RK73EB2B331J	CHIP R 330 J 1/8W
C 1D		N83-3006-46	PAN HEAD TAPTITE SCREW	R157,158		RK73FB2A104J	CHIP R 100K J 1/10W
D 2D		N30-3006-46	PAN HEAD MACHINE SCREW	R159,160		RK73FB2A473J	CHIP R 47K J 1/10W
E 1D		N83-3016-46	PAN HEAD TAPTITE SCREW				
G 1D		N80-3010-46	PAN HEAD TAPTITE SCREW	R162		RK73FB2A223J	CHIP R 22K J 1/10W
R1 ,2		RK73FB2A151J	CHIP R 150 J 1/10W	R163		RK73FB2A473J	CHIP R 47K J 1/10W
R3 ,4		RK73FB2A753J	CHIP R 75K J 1/10W	R165		RK73FB2A103J	CHIP R 10K J 1/10W
R5 ,6		RK73FB2A334J	CHIP R 330K J 1/10W	R166		RK73FB2A223J	CHIP R 22K J 1/10W
R7 ,8		RK73FB2A123J	CHIP R 12K J 1/10W	R167		RK73FB2A102J	CHIP R 1.0K J 1/10W
R9 ,10		RK73FB2A153J	CHIP R 15K J 1/10W				
R11		RK73FB2A183J	CHIP R 18K J 1/10W	R168-170		RK73FB2A472J	CHIP R 4.7K J 1/10W
R14		RK73FB2A134J	CHIP R 130K J 1/10W	R171,172		RK73FB2A102J	CHIP R 1.0K J 1/10W
R15		RK73FB2A203J	CHIP R 20K J 1/10W	R174		RK73FB2A472J	CHIP R 4.7K J 1/10W
R16		RK73FB2A333J	CHIP R 33K J 1/10W	R175-177		RK73FB2A101J	CHIP R 100 J 1/10W
R19 ,20		RK73FB2A272J	CHIP R 2.7K J 1/10W	R178		RK73FB2A102J	CHIP R 1.0K J 1/10W
R21 ,22		RK73FB2A472J	CHIP R 4.7K J 1/10W				
R25 ,26		RK73FB2A153J	CHIP R 15K J 1/10W	R179		RK73FB2A472J	CHIP R 4.7K J 1/10W
R27 ,28		RK73FB2A302J	CHIP R 3.0K J 1/10W	R180		RK73FB2A124J	CHIP R 120K J 1/10W
R29 -32		RK73EB2B2R2J	CHIP R 2.2 J 1/8W	R181-183		RK73FB2A472J	CHIP R 4.7K J 1/10W
R33 ,34		RK73FB2A153J	CHIP R 15K J 1/10W	R184,185		RK73FB2A102J	CHIP R 1.0K J 1/10W
				R186,187		RK73FB2A101J	CHIP R 100 J 1/10W
R35 ,36		RK73FB2A302J	CHIP R 3.0K J 1/10W				
R37 -40		RK73EB2B2R2J	CHIP R 2.2 J 1/8W	R189		RK73FB2A101J	CHIP R 100 J 1/10W
R41 ,42		RK73FB2A222J	CHIP R 2.2K J 1/10W	R191		RK73FB2A102J	CHIP R 1.0K J 1/10W
R46		RK73FB2A473J	CHIP R 47K J 1/10W	R192		RK73FB2A472J	CHIP R 4.7K J 1/10W
R49 ,50		RK73FB2A332J	CHIP R 3.3K J 1/10W	R193-195		RK73FB2A102J	CHIP R 1.0K J 1/10W
				R196		RK73FB2A472J	CHIP R 4.7K J 1/10W
R51 ,52		RK73FB2A473J	CHIP R 47K J 1/10W				
R61 ,62		RK73FB2A102J	CHIP R 1.0K J 1/10W	R197		RK73EB2B102J	CHIP R 1.0K J 1/8W
R99		RK73FB2A223J	CHIP R 22K J 1/10W	R198		RK73FB2A472J	CHIP R 4.7K J 1/10W
R100		RK73FB2A912J	CHIP R 9.1K J 1/10W	R199		RK73EB2B102J	CHIP R 1.0K J 1/8W
R101		RK73FB2A472J	CHIP R 4.7K J 1/10W	R200		RK73FB2A472J	CHIP R 4.7K J 1/10W
				R201-204		RK73FB2A102J	CHIP R 1.0K J 1/10W
R103		RK73FB2A223J	CHIP R 22K J 1/10W				
R104		RK73FB2A103J	CHIP R 10K J 1/10W	R205		RK73FB2A472J	CHIP R 4.7K J 1/10W
R105		RK73FB2A104J	CHIP R 100K J 1/10W	R206		RK73FB2A104J	CHIP R 100K J 1/10W
R107		RK73FB2A223J	CHIP R 22K J 1/10W	R208		RK73FB2A104J	CHIP R 100K J 1/10W
R108		RK73FB2A103J	CHIP R 10K J 1/10W	R209		RK73FB2A104J	CHIP R 100K J 1/10W
				R210,211		RK73FB2A102J	CHIP R 1.0K J 1/10W
R111		RK73EB2B104J	CHIP R 100K J 1/8W				
R114		RK73EB2B104J	CHIP R 100K J 1/8W	R212		RK73FB2A104J	CHIP R 100K J 1/10W
R118		RK73EB2B104J	CHIP R 100K J 1/8W	R213-215		RK73FB2A222J	CHIP R 2.2K J 1/10W
R121,122		RK73FB2A103J	CHIP R 10K J 1/10W	R216-218		RK73FB2A223J	CHIP R 22K J 1/10W
R123		RD14DB2H561J	SMALL-RD 560 J 1/2W	R221		RK73FB2A101J	CHIP R 100 J 1/10W
				R222		RK73EB2B221J	CHIP R 220 J 1/8W
R124		RD14DB2H102J	SMALL-RD 1.0K J 1/2W				
R125,126		RK73FB2A473J	CHIP R 47K J 1/10W	R225		RK73FB2A101J	CHIP R 100 J 1/10W
R127		RK73FB2A223J	CHIP R 22K J 1/10W	R226,227		RK73FB2A222J	CHIP R 2.2K J 1/10W
R128		RK73FB2A473J	CHIP R 47K J 1/10W	R229		RK73FB2A153J	CHIP R 15K J 1/10W
R134		RK73FB2A102J	CHIP R 1.0K J 1/10W	R230		RK73FB2A822J	CHIP R 8.2K J 1/10W
				R231		RK73FB2A751J	CHIP R 750 J 1/10W
R135		RK73FB2A222J	CHIP R 2.2K J 1/10W				
R137		RK73FB2A104J	CHIP R 100K J 1/10W	R232		RK73FB2A113J	CHIP R 11K J 1/10W
R139		RK73FB2A104J	CHIP R 100K J 1/10W	R233		RK73FB2A101J	CHIP R 100 J 1/10W
R141		RK73FB2A222J	CHIP R 2.2K J 1/10W	R234		RK73FB2A223J	CHIP R 22K J 1/10W
R143		RK73FB2A222J	CHIP R 2.2K J 1/10W	R235		RK73FB2A470J	CHIP R 47 J 1/10W
				R236		RK73FB2A102J	CHIP R 1.0K J 1/10W
R145		RK73FB2A222J	CHIP R 2.2K J 1/10W				
R152		R92-2104-05	CHIP R 2.2 J 1W	R237		RK73FB2A562J	CHIP R 5.6K J 1/10W
				R238		RK73FB2A822J	CHIP R 8.2K J 1/10W
				R239		RK73FB2A221J	CHIP R 220 J 1/10W
				R240		RK73FB2A102J	CHIP R 1.0K J 1/10W
				R241		RK73FB2A473J	CHIP R 47K J 1/10W

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△ indicates safety critical components.

PARTS LIST

× New Parts

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SYNTHESIZER UNIT (X14-5212-XX)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
R242		RK73EB2B331J	CHIP R 330 J 1/8W
R246		RK73EB2B101J	CHIP R 100 J 1/8W
R248		RK73FB2A101J	CHIP R 100 J 1/10W
R249		RK73EB2B4R7J	CHIP R 4.7 J 1/8W
R250		RK73FB2A471J	CHIP R 470 J 1/10W
R251		RK73FB2A241J	CHIP R 240 J 1/10W
R252		RK73FB2A101J	CHIP R 100 J 1/10W
R254		RK73FB2A122J	CHIP R 1.2K J 1/10W
R255		RK73FB2A331J	CHIP R 330 J 1/10W
R256		RK73FB2A752J	CHIP R 7.5K J 1/10W
R257		RK73FB2A622J	CHIP R 6.2K J 1/10W
R258		RK73FB2A473J	CHIP R 47K J 1/10W
R259		RK73FB2A363J	CHIP R 36K J 1/10W
R260		RK73FB2A822J	CHIP R 8.2K J 1/10W
R261		RK73FB2A562J	CHIP R 5.6K J 1/10W
R262		RK73FB2A104J	CHIP R 100K J 1/10W
R263		RK73FB2A103J	CHIP R 10K J 1/10W
R264		RK73FB2A752J	CHIP R 7.5K J 1/10W
R265		RK73FB2A103J	CHIP R 10K J 1/10W
R266, 267		RK73FB2A104J	CHIP R 100K J 1/10W
R268		RK73FB2A752J	CHIP R 7.5K J 1/10W
R269		RK73FB2A332J	CHIP R 3.3K J 1/10W
R270, 271		RK73FB2A103J	CHIP R 10K J 1/10W
R272		RK73FB2A101J	CHIP R 100 J 1/10W
R273		RK73FB2A100J	CHIP R 10 J 1/10W
R276		RK73FB2A222J	CHIP R 2.2K J 1/10W
R277		RK73FB2A102J	CHIP R 1.0K J 1/10W
R301		RK73FB2A332J	CHIP R 3.3K J 1/10W
R302		RK73FB2A472J	CHIP R 4.7K J 1/10W
R303		RK73FB2A562J	CHIP R 5.6K J 1/10W
R304		RK73FB2A473J	CHIP R 47K J 1/10W
R305		RK73FB2A393J	CHIP R 39K J 1/10W
R306		RK73FB2A362J	CHIP R 3.6K J 1/10W
R307		RK73FB2A331J	CHIP R 330 J 1/10W
R308		RK73FB2A223J	CHIP R 22K J 1/10W
R309		RK73FB2A512J	CHIP R 5.1K J 1/10W
R311		RK73FB2A103J	CHIP R 10K J 1/10W
R312		RK73FB2A473J	CHIP R 47K J 1/10W
R313		RK73FB2A752J	CHIP R 7.5K J 1/10W
R314		RK73FB2A153J	CHIP R 15K J 1/10W
R315, 316		RK73FB2A102J	CHIP R 1.0K J 1/10W
R317		RK73FB2A683J	CHIP R 68K J 1/10W
R318		RK73FB2A682J	CHIP R 6.8K J 1/10W
R319		RK73FB2A752J	CHIP R 7.5K J 1/10W
R320		RK73FB2A513J	CHIP R 51K J 1/10W
R321		RK73FB2A472J	CHIP R 4.7K J 1/10W
R322		RK73FB2A512J	CHIP R 5.1K J 1/10W
R323		RK73FB2A222J	CHIP R 2.2K J 1/10W
R324		RK73FB2A822J	CHIP R 8.2K J 1/10W
R325		RK73FB2A223J	CHIP R 22K J 1/10W
R326		RK73FB2A103J	CHIP R 10K J 1/10W
VR1, 2		R12-0678-05	TRIMMING POT. (10K 7t)
VR3		R12-0679-05	TRIMMING POT. (22K 7t)
VR4, 5		R12-0680-05	TRIMMING POT. (47K 7t)
VR6		R12-0678-05	TRIMMING POT. (10K 7t)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
W1, 2		R92-2052-05	CHIP R 0 J 1/10W
D1, -3		AM01Z	DIODE
D1, -3		ERA15-01	DIODE
D4	*	UZL-6(L3)	ZENER DIODE
D5, 6	*	UZL-7(L3)	ZENER DIODE
D13, 14		AM01Z	DIODE
D13, 14		ERA15-01	DIODE
D15	*	UZL-11(M2)	ZENER DIODE
D17	*	UZ-11BS(B)	ZENER DIODE
D19		1SS184	DIODE
D20		1SS181	DIODE
D21		1SS184	DIODE
D22		1SS181	DIODE
D23		1SS184	DIODE
D24		1SS181	DIODE
D25		1SS184	DIODE
D26		1SS181	DIODE
D27, 28		1SS355	DIODE
D29, 42		1SS184	DIODE
D31		1SS355	DIODE
D33		DA204K	DIODE
D34		1SS355	DIODE
D35		1SS133	DIODE
D36, 37		1SS355	DIODE
D38		1SS133	DIODE
D43		AM01Z	DIODE
IC1	*	M38067M8D123FP	MI-COM IC
IC2		LC3564QM-10	IC
IC3	*	BU2090F	MOS-IC
IC4		TC74HC02AF	IC
IC5		S-80740AN-D4	IC
IC6		SAA6579T	IC
IC7		NJM4565M	IC(OP AMP X2)
IC8		LA1862M	IC
IC9		LM7001M	ANALOG IC
IC10		TC4W66F	IC
IC11	*	HA12163FP	ANALOG IC
IC12		TEA6320T	ANALOG IC
IC13, 14		AN7190K	ANALOG IC
IC15		BA3913-V4	ANALOG IC
Q3, 4		2SC2412K	TRANSISTOR
Q5, 6		2SA1428	TRANSISTOR
Q7		2SA1036K	TRANSISTOR
Q10		2SC2412K	TRANSISTOR
Q11		DTA144EK	DIGITAL TRANSISTOR
Q12		DTA124EK	DIGITAL TRANSISTOR
Q12		XDA124EK	TRANSISTOR
Q13		2SC2412K	TRANSISTOR
Q14		2SB1565	TRANSISTOR
Q15		DTC144EK	DIGITAL TRANSISTOR
Q15		XDC144EK	TRANSISTOR
Q16	*	2SD2396	TRANSISTOR
Q17		DTB123YK	DIGITAL TRANSISTOR
Q18, -20		DTC144EK	DIGITAL TRANSISTOR

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KRC-555R/RL

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Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
Q18 -20 Q23 ,24 Q23 ,24 Q25 Q26		XDC144EK DTC144EK XDC144EK 2SK536 DTC144EK	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR FET DIGITAL TRANSISTOR
Q26 Q27 Q28 Q29 Q30		XDC144EK 2SA1037K 2SK536 2SC2413K DTC144EK	TRANSISTOR TRANSISTOR FET TRANSISTOR DIGITAL TRANSISTOR
Q30 Q31 ,32 Q32 Q33 Q34		XDC144EK DTA144EK DTA144EK DTC114TK 2SC2412K	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR
Q35 Q36 Q37 Q37 Q38		DTA144EK DTC114TK DTC144EK XDC144EK 2SC2412K	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR
Q39 ,40 Q41 Q42 Q43 Q43		DTA144EK 2SC2412K DTA144EK DTC144EK XDC144EK	DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR
Q44 Q45 Q46 Q46 Q47		2SC2412K DTC114TK DTC144EK XDC144EK DTA144EK	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR
TU1 2D TU1 2D	✱ ✱	W02-1433-05 W02-1434-05	FM/AM FRONT-END (KRC-555R) FM/AM FRONT-END (KRC-555RL)
SWITCH UNIT (X25-7142-75)			
D1 -16 LCD1 2E PL1 PL4	✱ ✱ ✱ ✱	B30-1395-05 B38-0607-05 B30-1306-05 B30-1306-05	LED LIQUID CRYSTAL LAMP (5.5V .125A) LAMP (5.5V .125A)
C1 C2 C3 ,4 C5		CK73FB1H103K CK73FB1H472K CK73FB1H103K CK73EB1E104K	CHIP C 0.010UF K CHIP C 4700PF K CHIP C 0.010UF K CHIP C 0.10UF K
333 2E 334 1E 335 1E CN1	✱ ✱ ✱ ✱	E29-1432-04 E29-1433-03 E29-1434-03 E59-0813-05	CONDUCTIVE RUBBER CONDUCTIVE RUBBER CONDUCTIVE RUBBER RECTANGULAR PLUG
R1 -4 R5 ,6 R7 ,8 R9 R10		RK73EB2B331J RK73EB2B471J RK73FB2A473J RK73FB2A273J RK73FB2A823J	CHIP R 330 J 1/8W CHIP R 470 J 1/8W CHIP R 47K J 1/10W CHIP R 27K J 1/10W CHIP R 82K J 1/10W
R11 -16 R17 R18 -24		RK73FB2A102J RK73FB2A913J RK73FB2A222J	CHIP R 1.0K J 1/10W CHIP R 91K J 1/10W CHIP R 2.2K J 1/10W

SYNTHESIZER UNIT (X14-5212-XX)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
D17 -23 D24 -26 D27 -29 D30 IC1		MA8056-M 1SS184 1SS181 DA204K MSM6606GS-VK	ZENER DIODE DIODE DIODE DIODE IC
IC2		MSM6544GS	ANALOG IC
CASSETTE MECHANISM ASS'Y (D40-1054-05)			
1 2A 2 3B 3 3B 4 3B 5 3B		A10-2345-08 J21-7524-08 D14-0630-08 G01-2613-08 D10-2907-08	CHASSIS ASSY MOUNTING HARDWARE (P.B. HEAD) SPRING ROLLER TORSION SPRING (PINCH ROLLER) SLIDER
6 3B 7 3B 8 2B 9 2B 11 3B		D13-1102-08 J90-0741-08 J19-4554-08 J11-0604-08 D10-2908-08	GEAR TAPE GUIDE HEAD HOLDER CLAMPER SHIFT PLATE
12 3B 13 3B 15 2B 16 2B 17 2A		G01-2695-08 J90-0742-08 E39-0059-08 D10-2752-08 D10-2753-08	H.G SPRING WASHER WIRING HARNESS PINCH ROLLER ASSY (F) PINCH ROLLER ASSY (R)
19 2B 20 1B 22 3A 23 3A 24 3A		J21-7528-08 D10-2909-08 D03-0308-08 D13-1103-08 D13-1104-08	MOUNTING HARDWARE SLIDER REEL DISK GEAR GEAR
25 3A 26 3A 27 3A 28 3A 29 3A		D13-1105-08 D13-1106-08 D13-1107-08 D10-2755-08 A11-0889-08	GEAR GEAR GEAR (REV) ARM SUB CHASSIS ASSY
30 3A 31 3A 32 3A 33 3A 34 3A		G01-2618-08 D13-1111-08 D10-2756-08 D10-2757-08 G01-2614-08	COMPRESSION SPRING GEAR ARM ARM TORSION SPRING
36 3A 41 2A 43 1B 44 1A 45 1B		D03-0307-08 E60-0801-08 D10-2758-08 D10-1346-08 G01-1574-08	REEL DISK ASSY CONNECTOR ARM SLIDER TENSION SPRING
46 1A 47 1A 48 1A 49 1A 50 1A		G11-1550-08 G01-2696-08 J19-4451-08 D10-2759-08 D10-2768-08	CUSHION TORSION SPRING HOLDER ARM SLIDER
51 1B 52 1A 56 2A 57 2A 58 2A		G02-1153-08 G09-0051-08 D14-0631-08 D14-0632-08 D10-2747-08	FLAT SPRING SPRING ROLLER ROLLER LEVER
59 2A 60 2A		G01-2620-08 G01-2621-08	TENSION SPRING TENSION SPRING

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CASSETTE MECHANISM ASS'Y (D40-1054-05)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
61	2A	* D10-2912-08	LEVER	HD1	2B	T31-0214-08	PLAYBACK HEAD
64	2B	D10-2769-08	SLIDER	M1	2A	T42-0734-08	MOTOR ASSY
65	2B	G09-2006-08	SPRING	S1	2A	S62-0813-08	SLIDE SWITCH
66	2B	G09-2007-08	SPRING	S2	2A	S68-0803-08	PUSH SWITCH
70	3A	D10-2754-08	ARM	S3	2B	S62-0812-08	SLIDE SWITCH
71	2A	D13-1109-08	GEAR				
72	3A	G01-2616-08	TENSION SPRING				
74	3B	D01-0605-08	FLYWHEEL ASSY				
75	3B	D16-0606-08	BELT				
77	2A	G01-2619-08	COMPRESSION SPRING				
78	2B	D13-1110-08	GEAR				
79	2B	D15-0909-08	PULLEY				
80	2A	G01-2617-08	TENSION SPRING				
81	2B	D10-2760-08	ARM				
82	2B	N09-4055-08	SCREW				
83	2A	D10-2761-08	ARM				
84	2B	D10-2762-08	ARM				
85	1A	G01-2622-08	TENSION SPRING				
86	3B	D10-2749-08	LEVER				
87	3A	N09-4056-08	SCREW				
88	2A	D10-2763-08	ARM				
89	2B	G01-2623-08	TENSION SPRING				
90	2B	N19-2038-08	FLAT WASHER				
91	1B	G01-2697-08	TENSION SPRING				
92	1B	* D10-2913-08	LEVER				
93	1B	* D10-2914-08	LEVER				
94	2B	D10-2764-08	ARM				
95	2B	G01-2625-08	TENSION SPRING				
96	1B	D10-2765-08	ARM				
97	1B	G01-2626-08	TENSION SPRING				
98	3B	N19-2035-08	FLAT WASHER				
99	1B	D10-2766-08	ARM				
100	1B	T94-0406-08	SOLENOID COIL				
101	1B	T94-0407-08	SOLENOID				
102	1B	G01-2698-08	TENSION SPRING				
103	2B	D19-0604-08	PIN				
104	2B	G01-2627-08	TENSION SPRING				
150	2B	N09-4009-05	SCREW				
151	3B	N09-4009-05	SCREW				
153	3B	N19-2036-08	FLAT WASHER				
154	2A	N19-2037-08	FLAT WASHER				
155	1A	N84-2003-45	SCREW				
156	1A	N24-3015-60	E TYPE RETAINING RING				
157	1B	N09-4059-08	SCREW				
158	2B	N19-2043-08	FLAT WASHER				
159	2A	N19-2039-08	FLAT WASHER				
160	2B	N24-3020-60	E TYPE RETAINING RING				
161	2A	N09-4058-08	SCREW				
162	3B	N19-2050-08	FLAT WASHER				
163	2A	N19-2041-08	FLAT WASHER				
164	2A	N19-2042-08	FLAT WASHER				
165	3A	N09-4092-08	SCREW				
166	2B	N09-4060-08	SCREW				
167	3B	N09-4109-08	SCREW				
168	3B	N09-4110-08	SCREW				

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KRC-555R/RL

SPECIFICATIONS

FM tuner section

Frequency range	87.5MHz~108.0MHz
Usable sensitivity (DIN)	0.9 μ V/75 Ω
Stereo sensitivity (S/N=46dB)	1.6 μ V/75 Ω
Frequency response (\pm 3dB)	30Hz~15kHz
Signal to Noise ratio	68dB
Selectivity (DIN)	70dB
Stereo separation (1kHz)	35dB
19kHz carrier leakage	65dB

MW tuner section

Frequency range	531kHz~1611kHz
Usable sensitivity	30 μ V

LW tuner section (KRC-555RL only)

Frequency range	153kHz~281kHz
Usable sensitivity	60 μ V

Cassette deck section

Tape speed	4.76cm/sec.
Wow & Flutter (WRMS)	0.12%
Fast winding time (C-60)	100sec.
Frequency response (+4dB, -6dB)	
.....	30Hz~16kHz (120 μ s)
.....	30Hz~18kHz (70 μ s)
Stereo separation (1kHz)	40dB

Signal to Noise ratio

Dolby B NR OFF 54dB

Dolby B NR ON 63dB

Audio section

Maximum output power 25W x 4

Output power

10% THD, 1kHz, 4 Ω 20W x 4

1% THD, 1kHz, 4 Ω 15W x 4

Tone action

Bass 100Hz \pm 10dB

Treble 10kHz \pm 10dB

Preout level/Impedance 1500mV (Max.)/180 Ω

General

Operating voltage 14.4V (11~16V allowable)

Current consumption 7.5A at Rated power

Dimensions (W x H x D) 188 x 58 x 176 mm

Installation size (W x H x D) 182 x 53 x 154 mm

Weight 1.8kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice. DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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